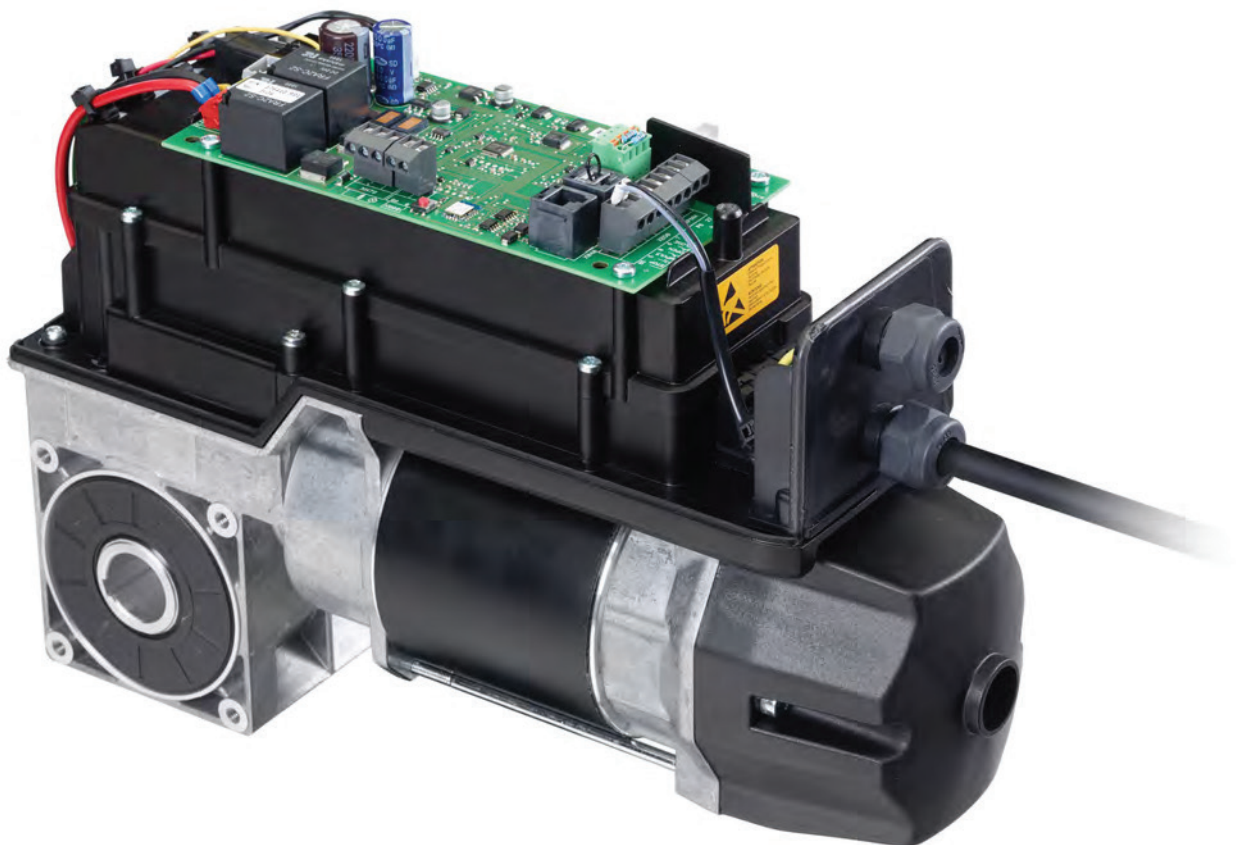


# Operating Instructions

VTA sectional door drive with variable speed control



Marantec America Corporation  
5705 Centerpoint Court, Gurnee, IL 60031  
Phone: 888-470-2620 Fax 847-478-0348

[www.marantecamerica.com](http://www.marantecamerica.com)

**Please read the entire manual before beginning installation.**

This manual is the only approved instruction for installation, maintenance, and operation of the VTA Series commercial door opener. The manual must be read in full and all safety warnings, notes, and cautions must be strictly adhered to at all times. Keep this manual in a safe place for as long as you own the product.

Illustrations in this manual are not to scale and all dimensions, unless otherwise noted, are in measured with inches. Your VTA Series door opener comes with a warranty on parts; in order to take advantage of these benefits, you must register your product, online or by mail. Visit our website for more information and to complete your registration.

This manual may be subject to change at any time. Reproducing, reprinting (included extracts), or duplicating information contained in this manual is not allowed. Always use the most recent version of this manual prior to performing any maintenance on your VTA Series door opener. You can download the most up-to-date copy of this manual on our website.

**Call Us** 1-888-470-2620

**Visit Us Online** [www.marantecamerica.com](http://www.marantecamerica.com)

**Write To Us** Marantec America Corporation  
5705 Centerpoint Court Gurnee,  
IL 60031



**Step 1**  
Register Your Product.



**Step 2**  
Get Support for the VTA Opener.

Document Control Number: MACVTA-1.2  
Initial Publication Date: 12-15-22  
Date of Last Revision: 01-10-23

Copyright 2020-2023 Marantec America Corporation  
All rights reserved.

**Assembled in the USA**  
with components from various countries including Germany,  
Finland and China.



## Table Of Contents

1. Safety Information	4
2. Product Information	6
3. Installation	12
4. Wiring Diagrams	18
5. Programming	23
5.7. Adv Prog Overview	28
6. Operation	79
7. Maintenance	80
8. Disassembly	80
9. Disposal	80
10. Troubleshooting	81
11. Warranty	84

# 1. Safety Information

## 1.1 General Safety Instructions

This manual is essential for the safe and proper installation, operations, and maintenance of your commercial door operator.



### **Danger due to a failure to comply with the operating manual!**

This manual contains important information for safe use of the product. Potential dangers are specifically highlighted.

- Read this manual through carefully.
  - Follow the safety instructions in this manual.
  - Store the manual in an accessible location.
- Perform installation as described in this manual.
  - Persons or objects must never be moved with the help of the door.
  - Prior to installation, the sectional garage door system and springs must be evaluated by a professional to ensure proper and safe operation.
  - Regular checkups and maintenance of the door and springs are required to ensure proper performance of the VTA drive.
  - Secure the drive system against falling prior to installation.
  - Observe all applicable occupational safety standards and warnings.
  - Ensure that the power supply remains disconnected prior to installation and wiring.
  - Ensure the VTA drive is mounted on the included installation bracket to ensure vibration damping.
  - Upon completion of installation please perform diagnostic testing.
  - Emergency operation must take place while standing on a stable foundation.
  - Emergency operation shall only take place with the motor at a standstill.
  - The system must be disconnected from the power supply during emergency operation.

## 1.2 Intended Use

The VTA commercial door operator drive system is designed exclusively for opening and closing sectional commercial doors. Use is only permissible:

- On torsion spring-balanced standard lift, high-lift or vertical lift sectional doors only.
- With properly set operator door limits and operator force limit settings
- Fall protection is essential when used with gear units with emergency release mechanisms.
- In dry environments.
- In accordance with the specifications in the technical data
- Any other use is deemed to be misuse and may void the warranty.



Refer to: 2.3 Technical Data for more information

## 1.3 TargetUsers/Operation

The facilities personnel have the following tasks:

- Knowledge and storage of the operating manual.
- Instruction of individuals who use the door system in a safe and appropriate way.
- Ensuring that the door system is tested and maintained regularly by qualified personnel in accordance with the manufacturer's instructions.
- Ensure that testing and maintenance are documented in the log book.
- Storage of the log book.



Refer to 5.5 Post-Installation Functional Testing for more information.

## 1.4 Professional Installation & Service Required

The VTA drive can only be installed by trained and qualified commercial door operator and installers who are responsible for installation, start-up, maintenance, repair, disassembly and disposal. Requirements applicable to qualified specialist personnel include:

- Knowledge of the general and specific safety and accident prevention regulations.
- Knowledge of the relevant electrical regulations.
- Training in the use and care of appropriate safety equipment

In order to avoid damage to the drive and door, observe the following points:

- Worn or faulty parts must be replaced.
- Only approved parts may be installed.
- All maintenance work must be documented.
- Check that all fastenings are securely seated.
- Check the spring tension on the door.
- The springs must be set such that the weight is balanced.
- Check for noise and oil loss.
- Check the drive fastening for corrosion.
- Check the housing for damage.
- Replaced faulty parts must be disposed of properly in accordance with the materials they contain and local regulations.

**NOTE:** Disassembly of the VTA is not recommended.

- Repair of the VTA drive can only be performed by an Marantec America authorized service technician

## 1.5 Additional User Requirements

Special requirements and restrictions apply to the following users:

- Limit or restrict use by individuals not trained in the operation of the VTA drive.
- Limit or restrict use by individuals with limited physical, sensory or mental capabilities.
- Limit or restrict use by individuals with a lack of experience and expertise in commercial door operators in general.

The manufacturer accepts no liability for damages and voids the warranty on the product and accessory parts under the following conditions:

- A failure to follow the guidelines and instructions within this operating manual.
- Misuse and incorrect handling of the product, parts and related accessories.
- Improper installation or installation outside of the scope of this manual.
- Use of unqualified and/or untrained personnel.
- Modifications or changes to the product, parts and related accessories.
- Use of spare parts that have not been produced or approved by the manufacturer.
- Excluded from the warranty are batteries, rechargeable batteries, fuses and bulbs.



Refer to section 3.1 Installation

## 2. Product Information

### 2.1 Operator Package Contents

#### Whats in the Box



VTA Operator



Operator Manual



Mounting Bracket



3-Button Control



Hardware Bag  
*(contents varies depending on model)*



Safety Photo Eyes



Command 108 Wired Programming Device  
*(only with starter kits)*

## 2.1.1 Hardware Bag contents for 14-61 models

Page intentionally left blank.

## 2.1.2 Hardware Bag contents for 11-62 and 11-72 models

Page intentionally left blank.



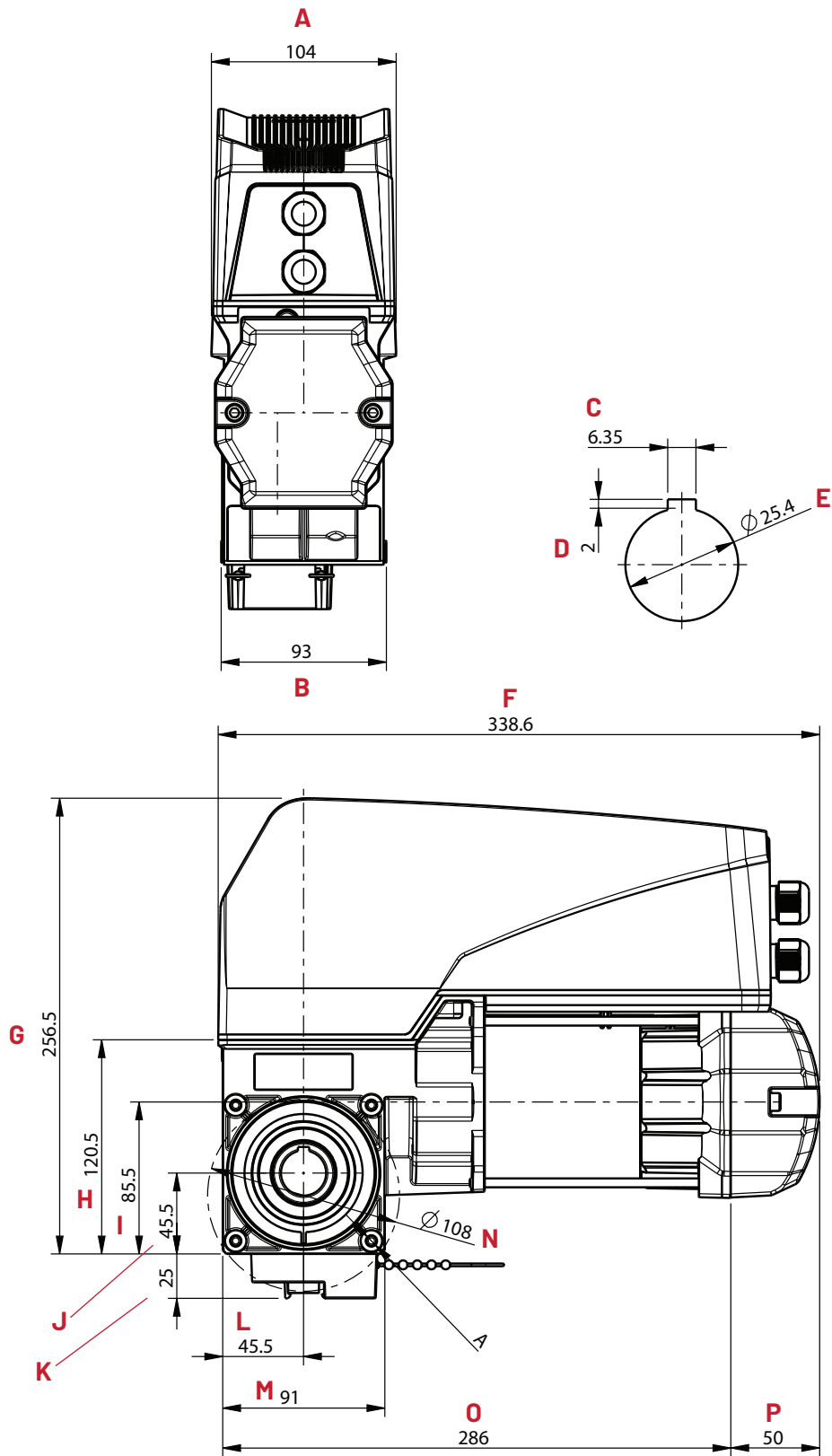
## 2.2 Technical Data

Description	Unit of Measure	VTA 14-61	VTA 11-72	VTA 11-62	VTA 11-32
Unit weight (E   KE)	Kg	8	12.1 14.3	12.1 14.3	12.1 14.3
Unit weight (E   KE)	Lbs	17.6	26.7 31.5	26.7 31.5	26.7 31.5
Dimensions (E   KE)	WxHxL (mm)	104x257x339   379	105x277x358   398	105x277x358   398	105x277x358   398
Dimensions (E   KE)	WxHxL (in)	4.1x10.1x11.1   14.9	4.1x10.9x14.1   15.7	4.1x10.9x14.1 x15.7	4.1x10.9x14.1 x15.7
Noise Output	dB(A)		< 70	< 70	< 70
Operating Temp Range	°C / °F	-20 to +60 / -4-140	-20 to +60 / -4-140	-20 to +60 / -4-140	-20 to +60 / -4-140
Output Torque	Nm	25	45	35	20
Static Holding Torque	Nm	400	600	600	600
Static Holding Torque	Lbs	897	1346	1346	1346
Motor RPM	Min-1	24	19	24	45
Output Shaft Revolutions		13	20	20	20
Shaft Diameter	mm	25.4	25.4 or 31.75	25.4	25.4
Shaft Diameter	in	1	1 or 1.25	1	1
Emergency Operation	-	E   KE	E   KE	E   KE	E   KE
Power Specs	-	84 - 265, 1-Phase, 60Hz	84 - 265, 1-Phase, 60Hz	84 - 265, 1-Phase, 60Hz	84 - 265, 1-Phase, 60Hz
Current Rating (Amps)	A	1.1. - 2.5	2.2	2.2	2.2
Protection Class	IP	1	1	1	1
Protection Grade	IP	54	54	54	54
DC Power Out	VDC	24	24	24	24
Circuit Amps	A	16	16	16	16

**(E) = Quick Release Model**

**(KE) = Emergency Chain Hoist Model**

## 2.2.1 Technical Drawing



## 2.2.2 Technical Drawing Chart Reference

Legend	VTA 14-61(E) Quick Release	VTA 14-61(KE) Emergency Chain Hoist	VTA 11-62(E) Quick Release	VTA 11-62(KE) Emergency Chain Hoist	VTA 11-72(E) Quick Release	VTA 11-72(KE) Emergency Chain Hoist
A	4.09" (104mm)	4.09" (104mm)	4.09" (104mm)	4.09" (104mm)	4.09" (104mm)	4.09" (104mm)
B	3.94" (100mm)	3.94" (100mm)	3.94" (100mm)	3.94" (100mm)	3.94" (100mm)	3.94" (100mm)
C	.25" (6.35mm)	.25" (6.35mm)	.25" (6.35mm)	.25" (6.35mm)	.25" (6.35mm)	.25" (6.35mm)
D	.078" (2mm)	.078" (2mm)	.138" (3.5mm)	.138" (3.5mm)	.138" (3.5mm)	.138" (3.5mm)
E	1" (25.4mm)	1" (25.4mm)	1" (25.4mm)	1" (25.4mm)	1" or 1.25" (25.4 or 31.75mm)	1" or 1.25" (25.4 or 31.75mm)
F	14.1" (358mm)	15.7" (398mm)	15.7" (398mm)	15.7" (398mm)	(15.08" (383mm)	15.7" (398mm)
G	10.2" (258mm)	10.2" (258mm)	10.9" (277mm)	10.9" (277mm)	10.9" (277mm)	10.9" (277mm)
H	4.75" (120.5mm)	4.75" (120.5mm)	5.5" (140mm)	5.5" (140mm)	5.5" (140mm)	5.5" (140mm)
I	3.37" (85.5mm)	3.37" (85.5mm)	4.13" (105mm)	4.13" (105mm)	4.13" (105mm)	4.13" (105mm)
J	1.8" (45.5mm)	1.8" (45.5mm)	2.17" (55mm)	2.17" (55mm)	2.17" (55mm)	2.17" (55mm)
K	1" (25.4mm)	N/ A	N/ A	N/ A	N/ A	N/ A
L	1.8" (45.5mm)	1.8" (45.5mm)	2.17" (55mm)	2.17" (55mm)	2.17" (55mm)	2.17" (55mm)
M	3.62" (92mm)	3.62" (92mm)	4.25" (108mm)	4.25" (108mm)	4.25" (108mm)	4.25" (108mm)
N	4.25" (108mm)	4.25" (108mm)	4.72" (120mm)	4.72" (120mm)	4.72" (120mm)	4.72" (120mm)
O	12.03" (305.5mm)	12.03" (305.5mm)	11.93" (303mm)	11.93" (303mm)	11.93" (303mm)	11.93" (303mm)

## 3. Installation

### 3.1 Safety Instructions for Installation

Installation can only be performed by a qualified commercial door operator professional. Electrical work must be performed by qualified and licensed electricians.

- The drive must be undamaged.
- The drive is not jammed.
- All electrical connections have been properly installed.
- The direction of rotation of the gear motor is correct.
- All motor protection devices are active.
- No other sources of danger are present
- The installation location is cordoned off for safety.
- The drive must be mounted free of stress with proper bracing and support.
- The drive must not be able to slide on the shaft.
- Only use fastening materials that are suitable for the installation surface
- The structure and base of all components must be designed for the load.
- Installation must take place while standing on a stable foundation (e.g. scaffolding or scissor lift).
- The drive system must be secured against falling until it is fastened in place.
- Prior to wiring work, always disconnect the drive system from the power supply.
- The power supply must remain disconnected for the duration of the wiring work.
- Observe all local safety regulations, electrical and building safety codes.
- Power and control cables must be routed separately.
- The control voltage is 24 V DC.
- The minimum installation height of the VTA drive is 5 feet.



Refer to 1.4 - Professional Installation and Service required

### 3.2 Preparation for Installation

Before starting installation, it is essential to perform the following preparation work:

- The drive must be undamaged.
- The ambient installation and operating temperature is 20 oC to +60 oC / -4 oF to +140 oF

#### Operator Package Contents:

- Check to ensure the Operator Package Contents is complete.
- Check whether the accessory parts required for your installation are available.

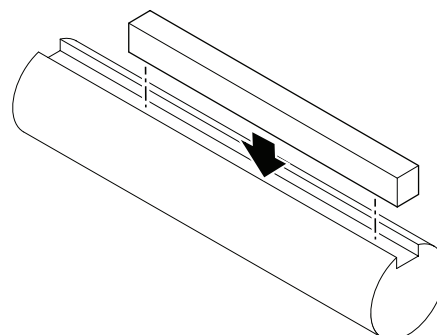
#### Door and Power Supply:

- Ensure that a suitable power supply and power disconnection device are available for your door system.

### 3.3 Installation process

**NOTE:** When installing the VTA drive on a commercial door, follow the usage instructions in the corresponding commercial door manual.

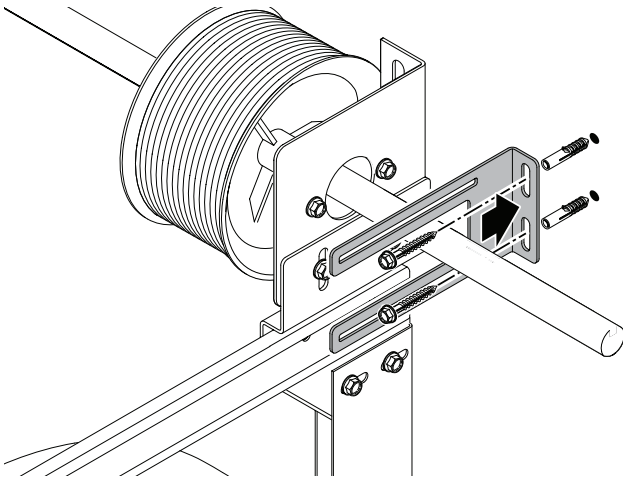
Check to ensure that they key fits within the keyway on the commercial drive shaft/torsion tube



### 3.4 Hollow Drive Shaft Installation with Mounting Bracket VTA Model 14-61 only

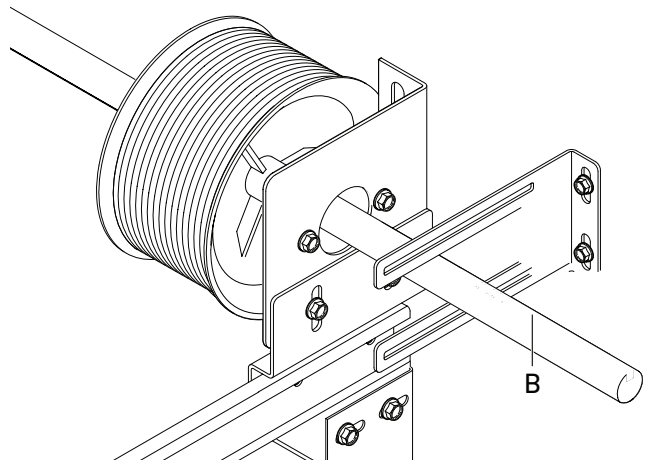
**NOTE:** When installing the VTA drive on a commercial door, follow the usage instructions in the corresponding commercial door manual.

#### Step 1:



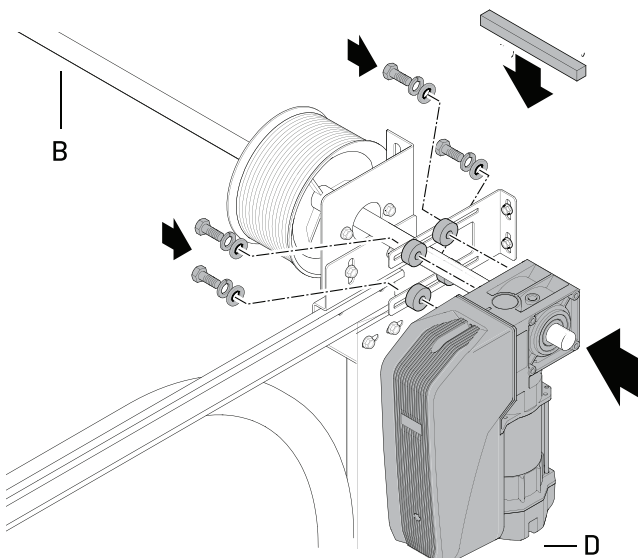
- Install the mounting bracket to the wall surface. Mounting bracket and VTA drive can be on left right side of drive shaft.
- Place adjusting ring with single set screw on shaft (A).
- Please note: Torque bracket mounting flange can be flipped towards or away from the VTA.

#### Step 2:



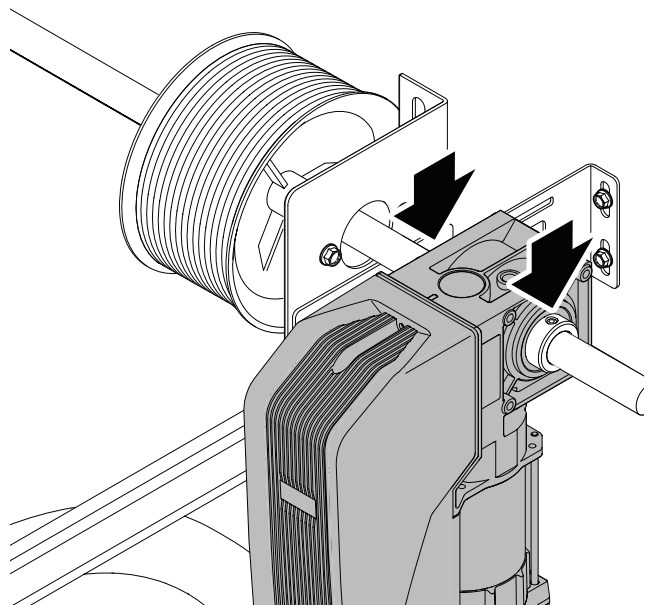
- If needed, apply lubrication to the spring shaft (B) in the area of the drive seat.
- Fit the VTA drive (D) onto the drive shaft (B).

#### Step 3:



- Fasten the drive to the installation bracket with 4 screws.
- Place flat key for hollow shaft into keyway on VTA leaving at least 1" exposed.
- Slide adjusting ring with 4 large set screws and 1 small over the exposed end of the key.
- Tighten all 4 set screws to shaft as well as the small one on the key (to prevent shifting or sliding).

#### Step 4:

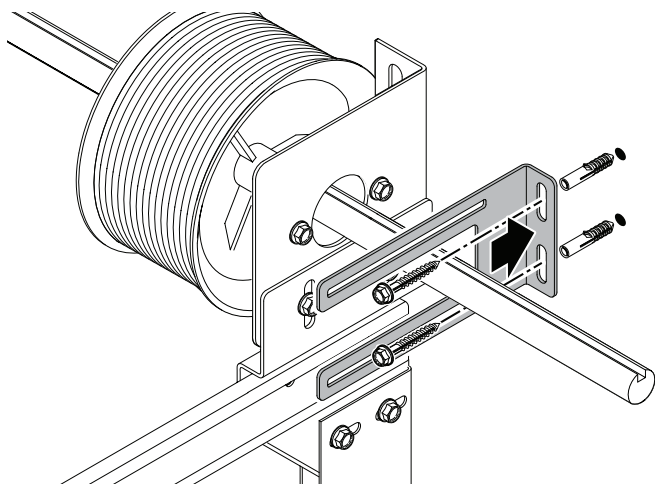


- Tighten screws on the single set screw adjusting ring.
- Please note the four set screw adjusting ring should be placed opposite side of the mounting blanket.

### 3.5 Keyed Solid Shaft Installation with Mounting Bracket

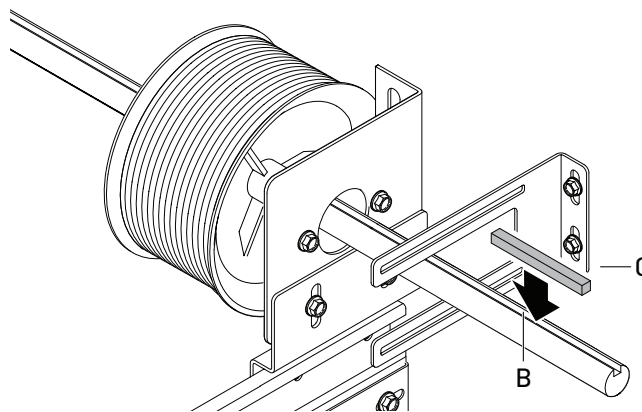
**NOTE:** Fasteners and anchors for wall mounting are NOT included in the scope of supply. Please use the correct hardware for the mounting surface.

#### Step 1:



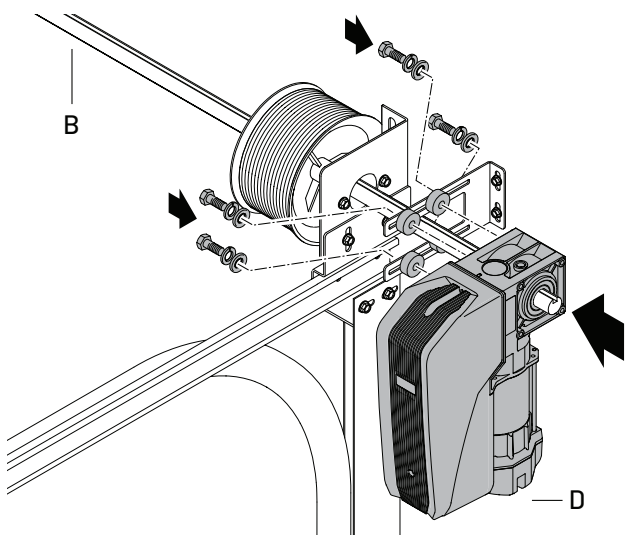
- Install the mounting bracket to the wall surface. Mounting bracket and VTA drive can be on left right side of drive shaft.
- Place adjusting ring with single set screw on shaft (A).
- Please note: Torque bracket mounting flange can be flipped towards or away from the VTA.

#### Step 2:



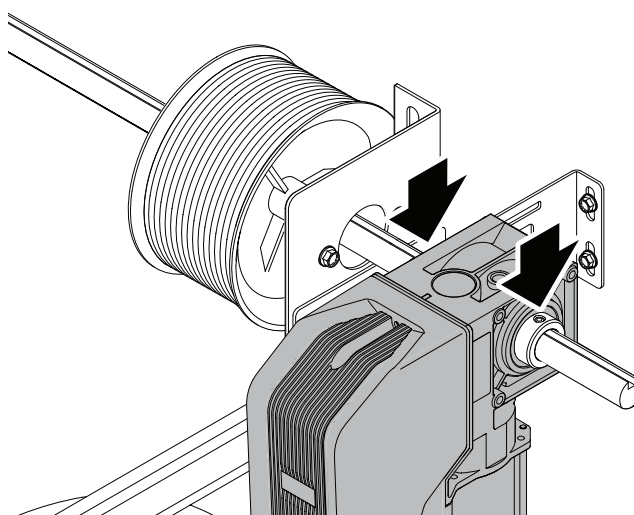
- If needed, apply lubrication to the spring shaft (B) in the area of the drive seat.
- Insert the shaft key (C) into the keyway of drive shaft (B).
- Fit the VTA drive (D) onto the drive shaft (B).
- Ensure the key is aligned with the keyway on the VTA drive and the keyway of the drive shaft the key should fit entirely into the gear box.

#### Step 3:



- Fasten the drive to the installation bracket with 4 attachment bolts.
- Slide adjusting ring with 4 large set screws and 1 small onto the shaft.
- Tighten both of the adjusting collars to make sure the key can not shift out of the drive. (to prevent shifting or sliding).

#### Step 4:

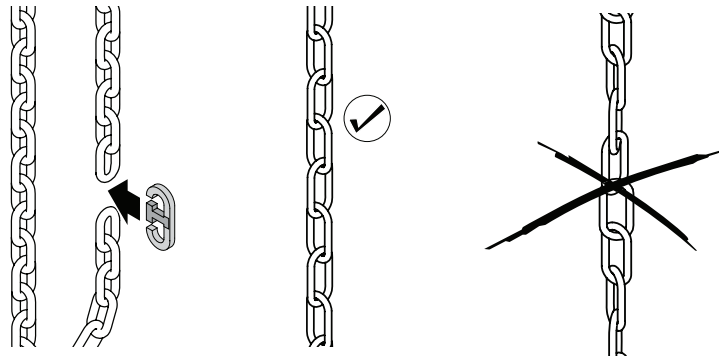


- The key must be secured with two adjusting rings and held in place with included set screws.
- Please note the four set screw adjusting ring should be placed opposite side of the mounting blanket.


Page intentionally left blank.

### 3.6 Mounting the Emergency Hand Chain (For drives equipped with this feature)

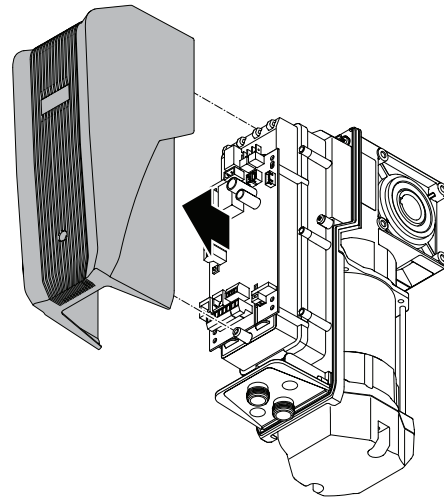
To ensure correct functionality, the chain links must not be twisted. Connect the chain ends with the chain lock, as shown.



### 3.7 Accessing the Control Board

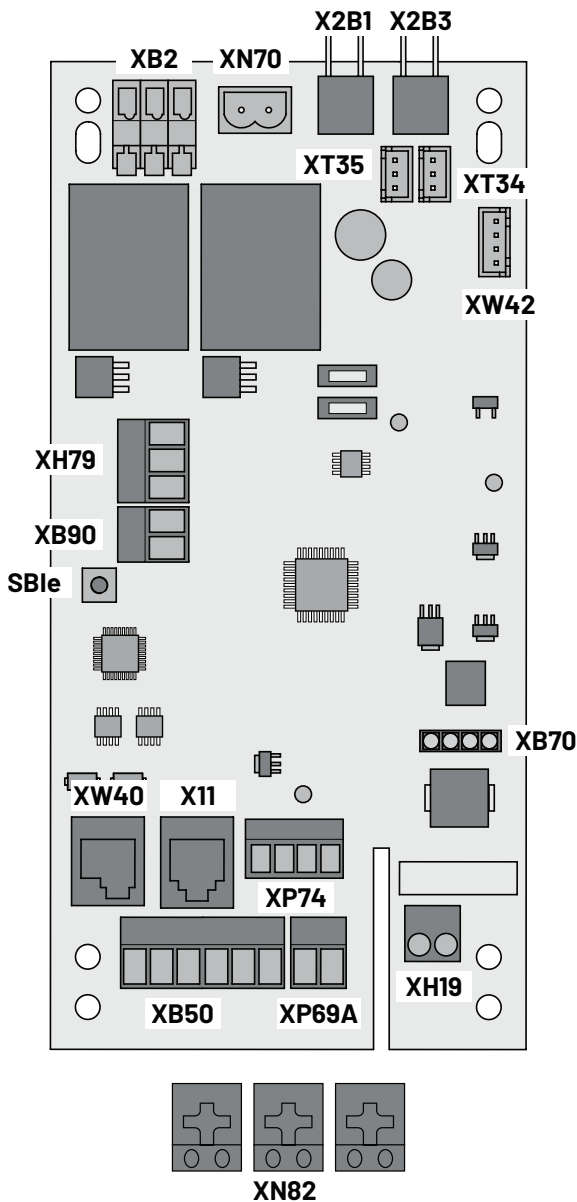
 #2 Phillips required

Remove both screws on the drive hood and remove the hood from the drive.





### 3.8 Control Board Connections



Connector	Description
SBLe	Button for Bluetooth connection
X2B1	Connection: switching power supply 1
X2B3	Connection: switching power supply 2
X11	Connection: external controls with system wiring (DO NOT REMOVE)
XB2	Motor connection
XB50	Connection: external control for emergency operation safety switch (optional) Programmable dry contact
XB70	Module receiver connection
XB90	Programmable Dry contact
XH19	Connection: External light/ dry contact.
XH79	Connection: Electric lock & signal light (XH79/XB90)
XN70	Connection: battery backup
XN82	power supply input
XP74	Connection: closing edge protective device and 8k2 hold circuit, door
XP69A	Connection: Pulsing secondary entrapment safety device running direction CLOSE
XT34	Connection for 2nd transformer (VTA 11 models)
XT35	Connection: switching power supply 1, control cable
XW40	Connection for Command 108 Programming Device (MS-BUS)
XW42	Connection position sensor (pre-wired)

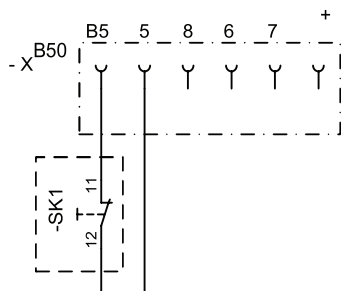
#### 3.8.1 Emergency Operation Safety Switch (Optional)(XB50)

**NOTE:** Risk of property damage due to external voltage and improper installation connection port XB50 can short the logic board. Only connect the terminals B5, 5, 8, 6, 7 of XB50 to NO contact state.

## 4. Wiring Diagrams

### 4.1 Emergency Operation Safety Switch (Optional) B5 & 5 Bridge

NOTE: Additional external controls and safety equipment 24 V connection (max. 50 mA) must be connected to XB50 (B5 and +). By default, applies only to chain hoist models (KE).

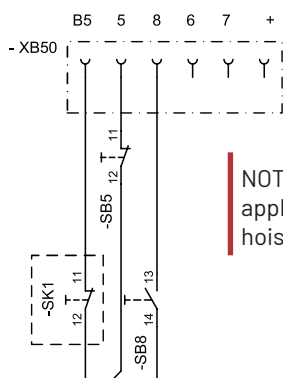


5	Connection: Dry contact, NC contact
B5	GND
SK1	Optional safety switch NHK/KU

NOTE: By default, applies only to chain hoist models (KE)

#### 4.1.1 Connection Option1 - CommandDevices

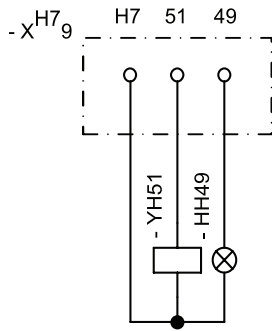
NOTE: Diagram shows dry contact wiring for emergency safety switch. Additional external controls and safety equipment 24 V connection (max. 50 mA) must be connected to XB50 (B5 and +). By default, applies only to chain hoist models (KE).



NOTE: By default, applies only to chain hoist models (KE)

5	Connection: dry contact, NC contact
8	Connection: dry contact, NC contact
B5	GND
SB5	STOP button
SB8	PULSE button
SK1	Optional safety switch NHK/KU

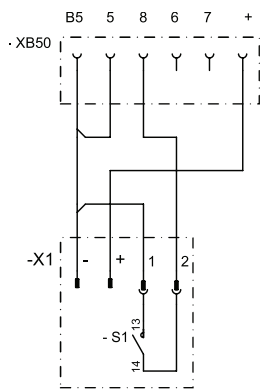
### 4.1.2 Outputs (XH79 / XB90)



H7/49	Connection programmable output (24 V DC) "Level 1, Menu 7 - Signal light output XH79"
H7/51	Connection for electric lock 24 V DC
H7	Connection 24V DC / max. 0.7 A
HH49	Signal light 24 V DC
YH51	3rd party electric lock 24 V DC

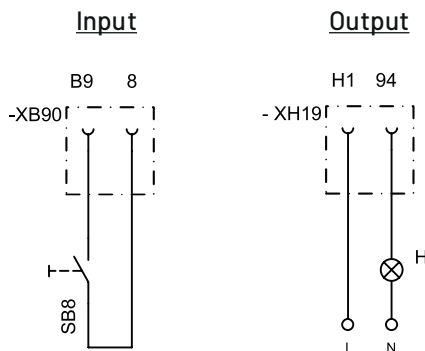
### 4.1.3 Connection Option 3 - External Radio Receiver

NOTE: Please consult the 3rd party device for additional wiring information.



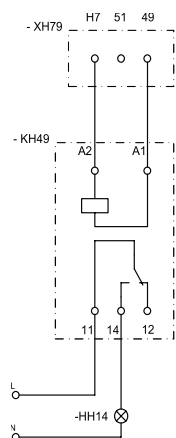
+	Connection + 24 V DC (100 mA max.)
5	Connection dry contact NC contact
8	Connection dry contact NO contact
B5	GND
S1	Receiver dry contact NO contact
X1	Connection external receiver

### 4.1.4 Programmable Inputs/Outputs



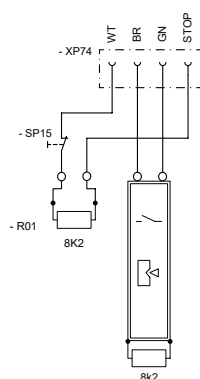
L	Phase connection
N	Neutral conductor connection
H	Signal light
SB8	Dry contact
XB90	Dry contact input "Level 5, Menu 3 - Programmable XB90"
XH19	Connection programmable output

#### 4.1.5 Connection Option - Signal light with external relay



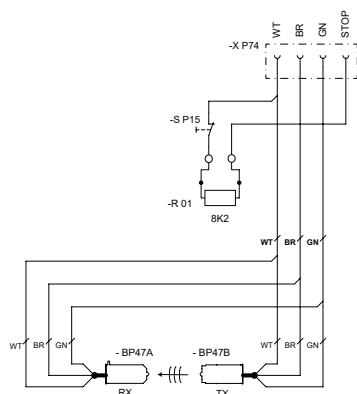
H7/49	Connection programmable output (24 V DC) ☑ "Level 1, Menu 7 - Signal light output XH79"
L	Phase connection
N	Neutral conductor connection
HH14	Signal light
KH49	Customer's relay 24 V DC

#### 4.1.6 Connection Safety Edge in addition to photo eyes/ non-monitored (XD74)



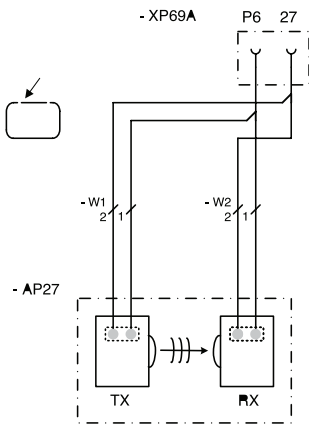
H7/49	GND
BR	Safety edge connection + (12V)
STOP	8K2 hold circuit (dry contact)
GN	Safety edge connection - Signal
SP15	Safety contact, Interlock connection

#### 4.1.7 Wiring for interlock (STOP) and safety edge OPTO/OSE System



H7/49	GND
BR	Safety edge connection + (12V)
STOP	8K2 hold circuit (dry contact)
GN	Safety edge connection - Signal
BP47A/B	Optical sensors
SP15	Safety contact, Interlock connection

#### 4.1.8 Connection XP69A

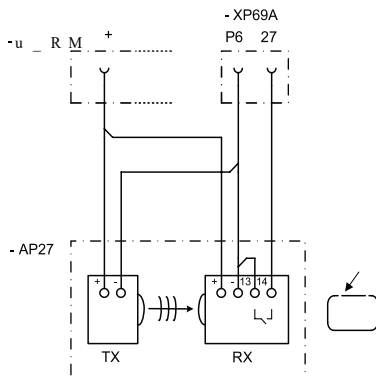


NOTE: A 2-wire Photo eye connected to XP69A is automatically detected by the control after "Power on".

AP27	Photo eye
27	Pulsing signal connection Door running direction (CLOSE)(XP69A)
P6	Connection GND CLOSE (XP69A)
RX	Receiver of the 2-wire Pulsing device
TX	Transmitter of the 2-wire Pulsing device

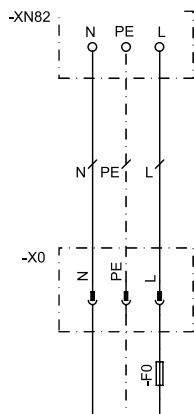
#### 4.1.9 Connection Light Barrier Relay Output

A 2-wire light barrier connected to XP69A is automatically detected by the control after "Mains on". The light barrier can be retrospectively deactivated (Level 8 / Menu 1).



AP27	Light Barrier
27	Light barrier signal connection Door running direction CLOSE (XP69A)
P6	Connection GND CLOSE (XP69A)
RX	Receiver of the 2-wire light barrier
TX	Transmitter of the 2-wire light barrier

#### 4.1.10 Connection XN82

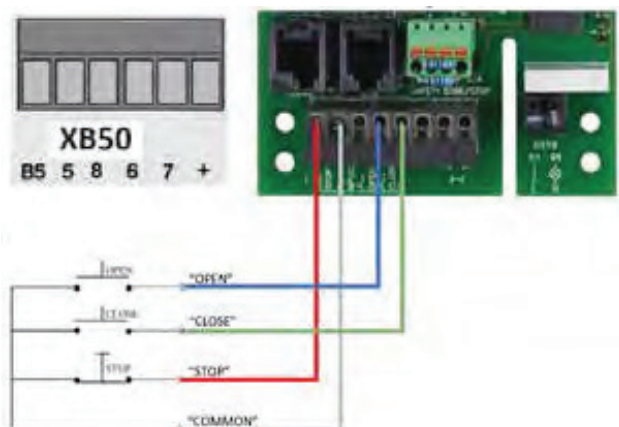


L	Phase connection
N	Neutral conductor connection
PE	Protective earth connection
F0	Customer's protective equipment
X0	Customer's power connection, all- pole disconnectable

## 4.2 3-Button Wall Control Wiring Instructions

### Quick Release Model (E)

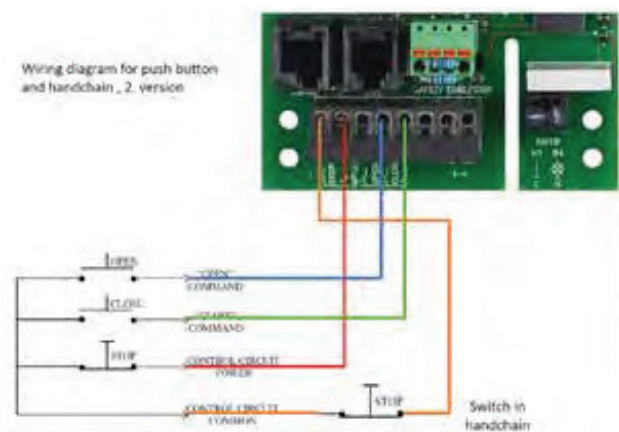
Control Board Wiring Diagram - Connection Port XB50 (E).



1. Run wire from close on wall station to close terminal on operator (Terminal 7 - second from right).
2. Run wire from open on wall station to open terminal on operator (Terminal 6 - third from right).
3. Run wire from stop on wall station to stop terminal on operator ( Terminal B5 - first on the left).
4. Run wire from common side of the wall station to impulse terminal on operator ( Terminal 5 - second from left).

### Emergency Chain Hoist Model (KE)

Control Board Wiring Diagram - Connection Port XB50 (KE)



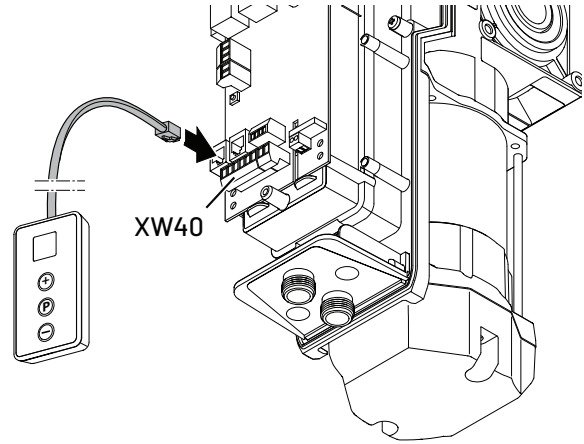
1. Run wire from close on wall station to close terminal on operator (Terminal 7 - second from right).
2. Run wire from open on wall station to open terminal on operator (Terminal 6 - third from right).
3. Remove existing wire from Terminal 5 on operator and run wire from stop on wall station to impulse on operator (Terminal 5 - fifth from right).
4. Run wire from common on wall station and splice with the wire removed from Terminal 5 on operator.
5. Leave existing wire in Terminal B5 on operator.

# 5. Programming

## 5.1 Programming the VTA Drive

**NOTE:** The VTA drive can only be programmed using the Command 108 Programming Module  
Open the control panel and insert command module into connector XW40.

 Refer to 3.7 Accessing the control board.



### Command 108 Programming Module Controls



LCD Display



Start programming, confirm, and save values.



Drive door to the OPEN direction. Increase values: Level, Menu, and Parameter.



Drive door in the DOWN direction. Increase values: Level, Menu, and Parameter.

## 5.2 Status Display

### LCD Display



### Function / Icon Displayed

Display flashes - Blinking icon



Display illuminates - Solid icon



Ready for operation



Door position: CLOSED



Door position: OPEN



Error message / service display



Light barrier, photo eye, or closing edge protective device disconnected, improperly connected or defective.



Remote control



Actuates wall control



Status display (Example: Display 1 is the reference point for level, menu, and status.)



Display of the current LEVEL

(Example: Currently in Level 2 - line above number indicates current level).



Display the current MENU and PARAMETER (Example: Menu 3, parameter 8 - Line BELOW number indicates current menu, Larger number indicates parameter)



Timer Display - times longer than 60 seconds are displayed in minutes and seconds. (Example: 1.2 = 1 minute and 20 seconds).



Battery Backup Connected (Optional)



Display warning time (only with programmed automatic closure)

## 5.3 Factory Reset
















To reset the drive to the factory settings, refer to 5.8.5 Level 1, Menu 8- RESET.



## 5.4 Quick programming using the Command 108 Programming Module

To ensure proper operation of the VTA drive after a factory reset, re-programming is required.

**NOTE:** If no button is pressed in programming mode within 120 seconds, the control switches back to the operating state. A corresponding error code is displayed, refer to "10. Troubleshooting" to determine cause.

Quick Programming Steps using the Command 108 Programming Module		
Step	Description	Display
1	Begin with door in the closed position.	
2	Press and hold (P) button for at least 3 seconds and no more than 10 seconds. The LCD screen will display the number 5.	
3	Release the (P) button	
4	LCD screen shows a blinking icon of an open door on the right.	
5	Press and hold the (+) button until the door reaches the desired open position.	
6	Press the (P) button.	
7	LCD screen shows a blinking icon of a closed door on the left	
8	Press and hold the (-) button until the door reaches the desired closed position.	
9	Press the (P) button.	
10	LCD screen shows a blinking icon of a radio signal.	
11	If a receiver is installed, press the transmitter button to activate with receiver, then press (P) button.	
12	If no receiver is being used, press the (P) button to skip this step.	
13	The VTA exits the programming mode, and the LCD screen indicates the normal standby mode with the word "ON".	
14	Cycle drive/door (open and close) three times to store the programming and force settings.	
15	Basic programming is now complete.	

**If the limit positions are not correctly set after programming you can correct the positions. More information can be found in the following sections:**

 5.8.7 Level 1, Menu 10 - Limit Postitions - Fine Adjustment CLOSE

 5.8.6 Level 1, Menu 9 - Limit Postitions - Fine Adjustment OPEN








## 5.5 Post Installation Testing

### 5.5.1 Checking the Mechanical Functions

After assembling and installing all components please check the system functions.

- Check the seating of the fastening screws.
- Check all system operational functions.
- Check that the drive runs quietly.
- Check the drive for fluid leaks.
- If the drive makes unusual noises or has any fluid leaks, remove the drive from active service immediately.
- Inform customer service, technical support and/or your Marantec America service representative.

### 5.5.2 Checking the Operational Functions


Operational Checks		
Step	Description	Display
1	Control is operating function	
2	Using the 3-button wall control, actuate the door to the OPEN position.	
3	Using the 3-button wall control, actuate the door to the CLOSED position.	
4	Using the optional accessory transmitter, actuate the door to the OPEN position and let the door fully open.	
5	Using the optional accessory transmitter, actuate the door to the CLOSED position and let the door fully close.	
6	In the CLOSED position and using the optional accessory transmitter, actuate the door. Let it open for 2 seconds then press again to stop the door. Press again to actuate the door to complete the close cycle.	
7	In the OPEN position and using the optional accessory transmitter, actuate the door. Let it open for 2 seconds then press again to stop the door. Press again to actuate the door to complete the closeopen cycle.	

• **If the running direction of the door does not comply with the button commands, the direction of rotation must be changed. After changing the direction of rotation, the running direction must be checked again. Finally, check the seating of the fastening screws.**


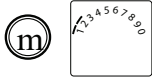
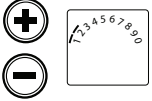
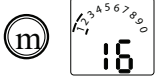


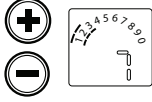


 Refer to 5.5.49 Level 8, Menu 8 - Direction of Rotation for additional help. (page 29)

## 5.6 Advanced Programming

After any change in programming mode, a mechanical functions test is required.

 Refer to 5.5.1 Checking the mechanical functions.

### Advanced Programming Process

1	Begin with door in closed position	
2	To begin advanced programming, press and hold the (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. Number 1 and 2 will have a line above it. This indicates Level 1 and 2	
3	Using the (+) and/or (-) buttons, select the desired level. (The example shown is Level 2)	
4	When the desired Level setting is selected, press the (P) button to save the level setting and enter the Menu selection mode. The number 1 will now be underlined.	
5	Using the (+) and/or (-) buttons, select the desired Menu. (The example shown is Menu 3)	
6	When the desired Menu setting is selected, press the (P) button to save the Menu setting and enter the Set Parameter mode.	
7	Using the (+) and/or (-) buttons, select the desired Parameter Settings.	
8	Press the (P) button. The control changes to the level display.	
9	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed parameters are now saved. Drive is now in operating mode.	

## 5.7 Overview of the Advanced Programming Options




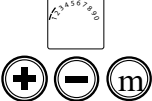



NOTE: Most common programming options are highlighted in gray.

Section	Description	Pg
5.8.1	Level 1 - Basic functions - Menu 1 - Signal light output XH19	30
5.8.2	Level 1 - Basic functions - Menu 3 - Intermediate position OPEN	31
5.8.3	Level 1 - Basic functions - Menu 4 - Intermediate Position CLOSED	32
5.8.4	Level 1 - Basic functions - Menu 7 - Signal light output XH79	33
5.8.5	Level 1 - Basic functions - Menu 8 - RESET	34
5.8.6	Level 1 - Basic functions - Menu 9 - Limit positions - fine adjustment OPEN	35
5.8.7	Level 1 - Basic functions - Menu 10 - Limit position fine adjustment CLOSE	36
5.8.8	Level 2 - Drive settings - Menu 1 - Required drive force OPEN	37
5.8.9	Level 2 - Drive settings - Menu 2 - Required drive force CLOSE	38
5.8.10	Level 2 - Drive settings - Menu 3 - Sensitivity OPEN	39
5.8.11	Level 2 - Drive settings - Menu 4 - Sensitivity CLOSE	40
5.8.12	Level 3 - Automatic closure - Menu 1 - Automatic closure	41
5.8.13	Level 3 - Automatic closure - Menu 3 - Open time	42
5.8.14	Level 3 - Automatic closure - Menu 4 - Warning time	43
5.8.15	Level 3 - Automatic closure - Menu 5 - Start-up warning	44
5.8.16	Level 3 - Automatic closure - Menu 7 - Signal light	45
5.8.17	Level 4 - Radio programming - Menu 2 - Intermediate position OPEN	46
5.8.18	Level 4 - Radio programming - Menu 3 - Intermediate position CLOSE	47
5.8.19	Level 4 - Radio programming - Menu 4 - OPEN	48
5.8.20	Level 4 - Radio programming - Menu 5 - CLOSE	49
5.8.21	Level 4 - Radio programming - Menu 8 - External lighting, wipe pulse approx. 1 second	50
5.8.22	Level 5 - Special functions - Menu 1 - Programmable input XB50 (terminal B5/8)	51
5.8.23	Level 5 - Special functions - Menu 3 - Programmable input XB90 (terminal B9/8)	52
5.8.24	Level 5 - Special functions - Menu 4 - Lighting time	53
5.8.25	Level 5 - Special functions - Menu 7 - Battery back-up	54
5.8.26	Level 5 - Special functions - Menu 8 - Electric lock version	55
5.8.27	Level 6 - Variable speed - Menu 1 - Speed OPEN	56
5.8.28	Level 6 - Variable speed - Menu 2 - Speed soft running OPEN	57
5.8.29	Level 6 - Variable speed - Menu 3 - Soft running position OPEN	58
5.8.30	Level 6 - Variable speed - Menu 4 - Speed CLOSE	59
5.8.31	Level 6 - Variable speed - Menu 5 - Soft-Stop Speed CLOSE	60
5.8.32	Level 6 - Variable speed - Menu 6 - Soft-Stop Speed CLOSE	61
5.8.33	Level 6 - Variable speed - Menu 7 - Soft-Stop Speed CLOSE	62
5.8.34	Level 6 - Variable speed - Menu 8 - Soft-Stop Speed CLOSE	63
5.8.35	Level 6 - Variable speed - Menu 9 - Soft start Duration OPEN	64
5.8.36	Level 6 - Variable speed - Menu 10 - Soft start Duration CLOSE	65
5.8.37	Level 7 - Service and Maintenance - Menu 1 - Door cycle counter	66
5.8.38	Level 7 - Service and Maintenance - Menu 2 - Maintenance counter	67








5.8.39	Level 7 – Service and Maintenance – Menu 3 – Maintenance interval	68
5.8.40	Level 7 – Service and Maintenance – Menu 8 – Reset error memory	69
5.8.41	Level 7 – Service and Maintenance – Menu 9 – Error display	70
5.8.43	Level 8 – System settings – Menu 2 – Closing edge protective device	72
5.8.44	Level 8 – System settings – Menu 3 – Sensitivity shutoff function	72
5.8.45	Level 8 – System settings – Menu 4 – Control Station operating modes	73
5.8.46	Level 8 – System settings – Menu 5 – Direction command transmitter function	74
5.8.47	Level 8 – System settings – Menu 6 – Pulse command transmitter function	75
5.8.48	Level 8 – System settings – Menu 7 – Force release in DOOR CLOSED position (back-jump)	76
5.8.49	Level 8 – System settings – Menu 8 – Direction of rotation	77
5.8.50	Level 8 – System settings – Menu 10 – Position of the frame light barrier	78

## 5.8





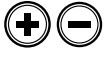


### 5.8.1 Level 1 - Basic Functions Menu 1 - Signal Light Output XH19

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level.	
3	Using the (+) and/or (-) buttons, select Level Setting 1., then press (P) to enter menu mode.	
4	Now in Menu mode (number 1 will have a line below it), use the (+) and/or (-) buttons to select Menu 1. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
SELECT ONE of the following parameter settings		
Item	Description	Comments
6	Level 1: Menu 1: Parameter Setting 1: Signal light On or off	See Level 3, Menu 7 - Signal light" for parameter values.
7	Level 1: Menu 1: Parameter Setting 2 OPEN Position	
8	Level 1: Menu 1: Parameter Setting 3: CLOSED Position	
9	Level 1: Menu 1: Parameter Setting 4: Intermediate OPEN Position	
10	Level 1: Menu 1: Parameter Setting 5: Intermediate CLOSED Position	
11	Level 1: Menu 1: Parameter Setting 6: Drive system starts (wipe pulse 1 second)	External light comes on for 1 second when drive starts
12	Level 1: Menu 1: Parameter Setting 7: Fault	External light flashes when safety device or other running error exists.
13	Level 1: Menu 1: Parameter Setting 8: Lighting (3-min. light) See Level 5, Menu 4 - Lighting time for Parameter Setting values	See 5.2 Status display for explanation of time settings.
14	Level 1: Menu 1: Parameter Setting 9: Locking release (drive system running)	
15	Level 1: Menu 1: Parameter Setting 10 Locking release (drive system standstill)	
16	Level 1: Menu 1: Parameter Setting 11: Lock release (drive system starts / wipe pulse 3 seconds)	
17	Level 1: Menu 1: Parameter Setting 12: Not Used	
18	Level 1: Menu 1: Parameter Setting 13: Radio remote control (relay switches for the duration of the pulse:)	Used only if radio and transmitter is in use.
19	Level 1: Menu 1: Parameter Setting 14: Test pulse for closing edge protective device (relay issues a test pulse and switches for 300 ms)	Test input pulse to ensure VTA closing edge protective device is working.
Save and exit advanced programming		
Item	Description	Comments
20	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
21	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete		

### 5.8.2 Level 1 - Basic Functions Menu 3 - Intermediate Position OPEN















Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin Advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level.	
3	Using the (+) and/or (-) buttons, select Level Setting 1., Then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 3. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings :	
There is only one parameter to choose from:		
Item	Description	Comments
6	Level 1: Menu 3: Parameter Setting: set Intermediate position OPEN with button (+) to open and P button (-) to close	
Save and exit advanced programming		
Item	Description	Comments
7	When the desired parameter is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed parameters are now saved. Drive is now in operating mode	
Programming Complete. Run 3 full cycles.		

### 5.8.3 Level 1 - Basic Functions Menu 4 - Intermediate Position CLOSED




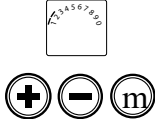
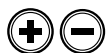


Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin Advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level.	
3	Using the (+) and/or (-) buttons, select Level Setting 1., Then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 4. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings :	
There is only one parameter to choose from:		
Item	Description	Comments
6	Level 1: Menu 4: Parameter Setting: set Intermediate position CLOSED with button (+) to open and P button (-) to close.	i
Save and exit advanced programming		
Item	Description	Comments
7	When the desired parameter is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed parameters are now saved. Drive is now in operating mode	
Programming Complete. Run 3 full cycles.		






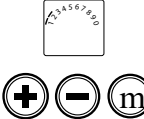



### 5.8.4 Level 1 - Basic Functions Menu 7 - Signal Light Output XH19

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	 
3	Using the (+) and/or (-) buttons, select Level Setting 1., then press (P) to enter menu mode.	  
4	Now in Menu mode (number 1 will have a line below it), use the (+) and/or (-) buttons to select Menu 7. Then press (P) to enter parameter settings mode. See below for available parameter settings.	   
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	 
SELECT ONE of the following parameter settings		
Item	Description	Comments
6	Level 1: Menu 7: Parameter Setting 1: Signal light On or off	
7	Level 1: Menu 7: Parameter Setting 2 OPEN Position	
8	Level 1: Menu 7: Parameter Setting 3: CLOSED Position	
9	Level 1: Menu 7: Parameter Setting 4: Intermediate OPEN Position	
10	Level 1: Menu 7: Parameter Setting 5: Intermediate CLOSED Position	
11	Level 1: Menu 7: Parameter Setting 6: Drive system starts (wipe pulse 1 second)	External light comes on for 1 second when drive starts.
12	Level 1: Menu 7: Parameter Setting 7: Fault	External light flashes when safety device or other running error exists.
13	Level 1: Menu 7: Parameter Setting 8: Lighting (3-min. light)	
14	Level 1: Menu 7: Parameter Setting 9: Locking release (drive system running)	See 5.2 Status display for explanation of time settings.
15	Level 1: Menu 7: Parameter Setting 10: Locking release (drive system standstill)	
16	Level 1: Menu 7: Parameter Setting 11: Lock release (drive system starts / wipe pulse 3 seconds)	
17	Level 1: Menu 7: Parameter Setting 12: Not Used	
18	Level 1: Menu 7: Parameter Setting 13: Radio remote control (relay switches for the duration of the pulse)	See Level 4, Menu 8 - External lighting, wipe pulse approx. 1 second.
19	Level 1: Menu 7: Parameter Setting 14: Test pulse for closing edge protective device (relay issues a test pulse and switches for 300 ms)	
Save and exit advanced programming		
Item	Description	Comments
20	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
21	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		




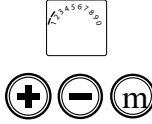
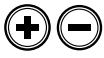


### 5.8.5 Level 1 - Basic Functions Menu 8 - RESET

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 1., then press (P) to enter menu mode.	
4	Now in Menu mode (number 1 will have a line below it), use the (+) and/or (-) buttons to select Menu 8. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
SELECT ONE of the following parameter settings		
Item	Description	Comments
6	Level 1: Menu 8: Parameter Setting 1: No Reset	
7	Level 1: Menu 8: Parameter Setting 2: Resetting the VTA drive to factory settings.	Connected modules (BUS modules, bi-linked) must be reset separately.
8	Level 1: Menu 8: Parameter Setting 3: Reset remote control	Transmitters are deleted
9	Level 1: Menu 8: Parameter Setting 4: Reset expansion automatic closure.	See "Level 3 - Automatic closure"
10	Level 1: Menu 8: Parameter Setting 5: Reset only expanded drive functions (apart from position OPEN/CLOSED and remote control pulse)	Applies to parameters 2, 3, 6, and 7 only.
11	Level 1: Menu 8: Parameter Setting 6: Reset safety elements (light barrier / hold circuit)	Used when error is received for safety elements and drive will not operate till cleared (43, 15, 5)
12	Level 1: Menu 8: Parameter Setting 7: Reset bus modules (connected bus modules are taught)	
13	Level 1: Menu 8: Parameter Setting 8: Reset limit position settings The reset must take place with the door closed.	The quick programming must be performed after a reset.
Save and exit advanced programming		
Item	Description	Comments
14	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
15	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		




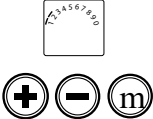



### 5.8.6 Level 1 - Basic Functions Menu 9 - Limit Positions - Fine Adjustment OPEN

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 1., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 9. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 1: Menu 9 - Parameter Setting - Limit positions - fine adjustment OPEN: Increase or reduce the value with the (+) or (-) buttons. If a positive value is displayed the limit position moves further in the OPEN DOOR direction. If a negative value is displayed the limit position moves in the door center direction.	Incremental adjustments
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		



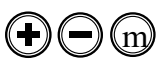
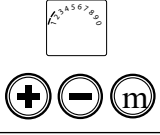
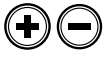


### 5.8.7 Level 1 - Basic Functions Menu 10 - Limit Positions - Fine Adjustment CLOSE

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 1., then press (P) to enter menu mode.	
4	Now in Menu mode (number 1 will have a line below it), use the (+) and/or (-) buttons to select Menu 10. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 1: Menu 10 - Parameter Setting - Limit positions - fine adjustment CLOSED: Increase or reduce the value with the (+) or (-) buttons. If a positive value is displayed the limit position moves in the door center direction. If a negative value is displayed the limit position moves further in the CLOSE DOOR direction.	Fine level adjustment for CLOSED position without resetting the limits.
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		




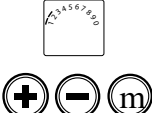



### 5.8.8 Level 2 - Drive Settings Menu 1 - Required Drive Force OPEN

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 2., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 1. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 2: Menu 1 - Drive settings - Parameter Setting: Drive force in steps from 1 - 16. Use the (+) button to increase the force setting and/or the (-) button to decrease the force setting	
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		



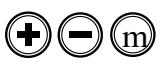
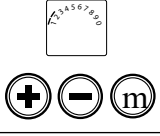
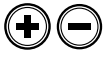


### 5.8.9 Level 2 - Drive Settings Menu 2 - Required Drive Force CLOSE

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 2., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 2. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 2: Menu 2 - Drive settings - Parameter Setting: Drive force in steps from 1 - 16. Use the (+) button to increase the force setting and/or the (-) button to decrease the force setting	
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		

### 5.8.10 Level 2 - Drive Settings Menu 3 - Sensitivity OPEN




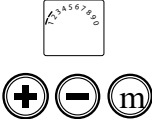



Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 2., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 3. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 2: Menu 3 - Drive settings - Sensitivity in steps from 1 (OFF) - 16 (the lower the step, the more sensitive the automatic shutoff).	Adjusts the sensitivity of the automatic shutoff OPEN in steps from 1 -16. The lower the number, the more sensitive the automatic shutoff.
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		

### 5.8.11 Level 2 - Drive Settings Menu 4 - Sensitivity CLOSE



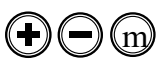
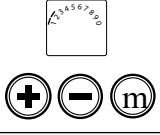
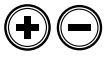


Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 1., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 4. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 2: Menu 2 - Drive settings - Sensitivity in steps from 1 (OFF) - 16 (the lower the step, the more sensitive the automatic shutoff).	Adjusts the sensitivity of the automatic shutoff OPEN.
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		






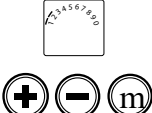



### 5.8.12 Level 3 - Automatic Closure Menu 1 - Automatic Closure

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 3., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 1. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameter settings:		
Item	Description	Comments
6	Level 3: Menu 1: Parameter Setting 1 - Deactivated	
7	Level 3: Menu 1: Parameter Setting 2 - Open time 15 / Warning time 5	Extension of the open time only with pulse (Button, hand-held transmitter).
8	Level 3: Menu 1: Parameter Setting 3 - Open time 30 / Warning time 5	
9	Level 3: Menu 1: Parameter Setting 4 - Open time 60 / Warning time 8	Open time cancelled only by passing through the light barrier
10	Level 3: Menu 1: Parameter Setting 5 - Open time 15 / Warning time 5	
11	Level 3: Menu 1: Parameter Setting 6 - Open time 30 / Warning time 5	Close after passing through the light barrier / closure prevention
12	Level 3: Menu 1: Parameter Setting 7 - Open time 60 / Warning time 8	
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		



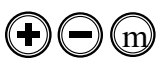
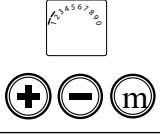
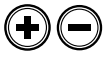


### 5.8.13 Level 3 - Automatic Closure Menu 3 - Open Time

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 3., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 3. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 3: Menu 3: Parameter settings: 2 – 250 seconds in steps.	Depending on level 3, menu 1. Can be used to override the preset values to create a custom time setting.
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		




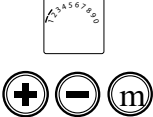



### 5.8.14 Level 3 - Automatic Closure Menu 4 - Warning Time

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting $\Sigma$ , then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 4. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 3: Menu 4: Parameter settings: 1 - 70 seconds in steps.	Depending on level 3, menu 1. Can be used to override the preset values to create a custom time setting.
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		















### 5.8.15 Level 3 - Automatic Closure Menu 5- Startup Warning

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 3., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu μ. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 3: Menu 5: Parameter Setting: 0 - 7 seconds.	Depending on level 3, menu 1. Can be used to override the preset values to create a custom time setting.
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		




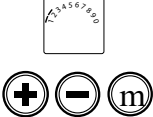



### 5.8.16 Level 3 - Automatic Closure Menu 7 - Signal Light

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 3, then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 7. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 3: Menu 7: Parameter settings 1: Door movement / warning: flashing. Door standstill: Off (energy saving)	
7	Level 3: Menu 7: Parameter settings 2: Door movement / warning: illuminated Door standstill: Off (energy saving)	
8	Level 3: Menu 7: Parameter settings 3: Door movement / warning: flashing. Door standstill: flashing	
9	Level 3: Menu 7: Parameter settings 4: Door movement / warning: illuminated. Door standstill: illuminated	
10	Level 3: Menu 7: Parameter settings 5: Door movement / warning: flashing. Door standstill: illuminated	
11	Level 3: Menu 7: Parameter settings 6: Door movement / warning: illuminated, Door standstill: flashing	
12	Level 3: Menu 7: Parameter settings 7: Door movement / warning: Pulsed tone. Door standstill: Off	
13	Level 3: Menu 7: Parameter settings 8: Door movement / warning: Continuous tone. Door standstill: Off	
14	Level 3: Menu 7: Parameter settings 9: Door movement / warning: Pulsed tone. Door standstill: Pulsed tone	
15	Level 3: Menu 7: Parameter settings 10: Door movement / warning: Continuous tone. Door standstill: Continuous tone	
16	Level 3: Menu 7: Parameter settings 11: Door movement / warning: Pulsed tone. Door standstill: Continuous tone	
17	Level 3: Menu 7: Parameter settings 12: Door movement / warning: Continuous tone. Door standstill: Pulsed tone	
Save and exit advanced programming		
Item	Description	Comments
18	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
19	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		



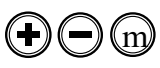
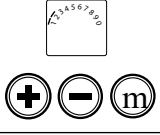
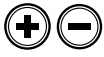


### 5.8.17 Level 4 - Radio Programming Menu 2 - Intermediate Position OPEN

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	 
3	Using the (+) and/or (-) buttons, select Level Setting 4., then press (P) to enter menu mode.	  
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 2. Then press (P) to enter parameter settings mode. See below for available parameter settings.	   
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	 
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 4: Menu 2: Parameter settings: Parameter display flashes -> Actuate hand-held transmitter button -> Hand-held transmitter display flashes -> The function has been taught.	Intermediate position must be set before transmitter is set. See Level 1, Menus 3 & 4.
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		

### 5.8.18 Level 4 - Radio Programming Menu 3 - Intermediate Position CLOSE




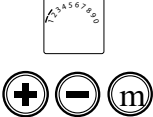



Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 4., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 3. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 4: Menu 3: Parameter settings: Parameter display flashes -> Actuate hand-held transmitter button -> Hand-held transmitter display flashes -> The function has been taught	Intermediate position must be set before transmitter is set. See Level 1, Menus 3 & 4.
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		

### 5.8.19 Level 4 - Radio Programming Menu 4 - OPEN



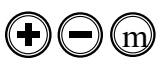
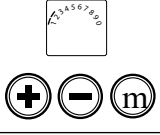
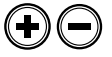


Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 4., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 4. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 4: Menu 4: Parameter settings: Parameter display flashes -> Actuate hand-held transmitter button -> Hand-held transmitter display flashes -> The function has been taught.	
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		

















### 5.8.20 Level 4 - Radio Programming Menu 5 - CLOSE

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 4., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 5. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 4: Menu 5: Parameter settings: Parameter display flashes -> Actuate hand-held transmitter button -> Hand-held transmitter display flashes -> The function has been taught.	
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		




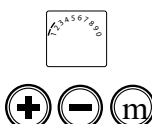



### 5.8.21 Level 4 – Radio Programming Menu 8 – External lighting, wipe pulse approx. 1 second

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 4., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 8. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 4: Menu 5: Parameter settings: Parameter display flashes -> Actuate hand-held transmitter button -> Hand-held transmitter display flashes -> The function has been taught.	
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		




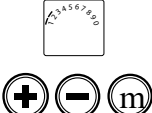



### 5.8.22 Level 5 - Special Functions Menu 1 - Programmable Input XB50 Light (Terminal B5/8)

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	 
3	Using the (+) and/or (-) buttons, select Level Setting 5., then press (P) to enter menu mode.	  
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 1. Then press (P) to enter parameter settings mode. See below for available parameter settings.	   
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	 
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 5: Menu 1 Parameter Setting 1: Pulse (NO only)	
7	Level 5: Menu 1 Parameter Setting 2: Pulse Remote Control (NO only)	
8	Level 5: Menu 1 Parameter Setting 3: Automatic closure ON/OFF	
9	Level 5: Menu 1 Parameter Setting 4: Stops and reverses (only down cycle - NC only)	
10	Level 5: Menu 1 Parameter Setting 5: Stops and reverses (only down cycle - NO only)	
11	Level 5: Menu 1 Parameter Setting 6: OPEN pulse (NO only)	
12	Level 5: Menu 1 Parameter Setting 7: Stop (NC only)	
13	Level 5: Menu 1 Parameter Setting 8: Premature closing through actuation of button or hand- held transmitter > 2 seconds	
14	Level 5: Menu 1 Parameter Setting 9: Intermediate position OPEN (NO only)	
15	Level 5: Menu 1 Parameter Setting 10: Intermediate position CLOSE (NO only)	
Save and exit advanced programming		
Item	Description	Comments
16	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
17	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		



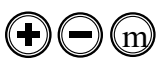
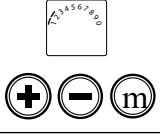
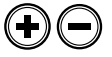


### 5.8.23 Level 5 - Special Functions Menu 3 - Programmable Input XB90 Light (Terminal B9/8)

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 5., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 3. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 5: Menu 3 Parameter Setting 1: Pulse (NO only)	
7	Level 5: Menu 3 Parameter Setting 2: Pulse Remote Control (NO only)	
8	Level 5: Menu 3 Parameter Setting 3: Automatic closure ON/OFF	
9	Level 5: Menu 3 Parameter Setting 4: Stops and reverses (only down cycle - NC only)	
10	Level 5: Menu 1 Parameter Setting 5: Stops and reverses (only down cycle - NO only)	
11	Level 5: Menu 3 Parameter Setting 6: OPEN pulse (NO only)	
12	Level 5: Menu 3 Parameter Setting 7: Stop (NC only)	
13	Level 5: Menu 3 Parameter Setting 8: Premature closing through actuation of button or hand- held transmitter > 2 seconds	
14	Level 5: Menu 3 Parameter Setting 9: Intermediate position OPEN (NO only)	
15	Level 5: Menu 3 Parameter Setting 10: Intermediate position CLOSE (NO only)	
Save and exit advanced programming		
Item	Description	Comments
16	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
17	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		




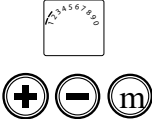



### 5.8.24 Level 5 - Special Functions Menu 4 - Lighting Time

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 5., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 4. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
There is only ONE parameter to choose from:		
Item	Description	Comments
6	Level 5: Menu 4 Parameter Setting: 2 - 250 seconds in steps. 3.0 (180 seconds)	See 5.2 Status Display for explanation of time settings.
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		















### 5.8.25 Level 5 - Special Functions Menu 7 - Battery Backup

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 5., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 7. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 5: Menu 7 Parameter Setting 1: Battery back-up deactivated	
7	Level 5: Menu 7 Parameter Setting 2: Battery back-up active	
Save and exit advanced programming		
Item	Description	Comments
8	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
9	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		

### 5.8.26 Level 5 - Special Functions Menu 8 - Electric Lock Version




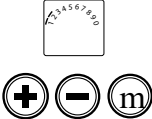



Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 5., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 8. Then press (P) to enter parameter settings mode. See below for available parameter settings	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 5: Menu 8 Parameter Setting 1: Electric lock (Electric lock active with drive start for 3 seconds)	For use with an electronic lock only
7	Level 5: Menu 8 Parameter Setting 2: Electric lock / magnetic locking (Electric lock / magnetic locking inactive with drive start for 3 seconds)	For use with an electronic lock only
8	Level 5: Menu 8 Parameter Setting 3: Electric lock with locking pin (Electric lock active with drive start)	For use with an electronic lock only
9	Level 5: Menu 8 Parameter Setting 4: Lockmatic electric lock (Electric lock inactive with drive start)	For use with an electronic lock only
Save and exit advanced programming		
Item	Description	Comments
10	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
11	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		

### 5.8.27 Level 6 - Variable Speed Menu 1 - Speed OPEN



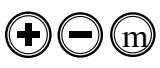
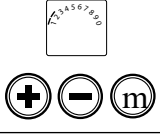
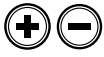


Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	 
3	Using the (+) and/or (-) buttons, select Level Setting 6., then press (P) to enter menu mode.	  
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu1. Then press (P) to enter parameter settings mode. See below for available parameter settings.	   
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	 
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 6: Menu 1 Parameter Setting 1: Steps from 5 - 16. Default setting: 16.	
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		






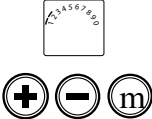



### 5.8.28 Level 6 -Variable Speed Menu 2 - Soft-Stop Speed OPEN

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting ∂., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu []. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 6: Menu 2 Parameter Setting 1:Steps from 1 - 16. Default setting: 8	
7	Level 5: Menu 7 Parameter Setting 2: Battery back-up active	
Save and exit advanced programming		
Item	Description	Comments
8	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
9	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		




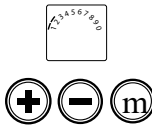



### 5.8.29 Level 6 - Variable Speed Menu 3 - Soft-Stop Position OPEN

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 6., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 3. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 6: Menu 3 Parameter Setting: Setting with button (+) OPEN and (-) CLOSE.	
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		




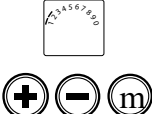



### 5.8.30 Level 6 - Variable Speed Menu 4 - Speed CLOSE

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting ∂., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 4. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 6: Menu 4 Parameter Setting 1:Steps from 1 - 16. Default setting: 12.	
7	Level 5: Menu 7 Parameter Setting 2: Battery back-up active	
Save and exit advanced programming		
Item	Description	Comments
8	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
9	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		




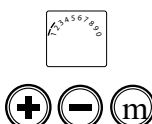



### 5.8.31 Level 6 - Variable Speed Menu 5 - Speed Smart Running Close

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 6., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 5. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 6: Menu 5 Parameter Setting 1:Steps from 5 - 16. Default setting: 9.	
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		




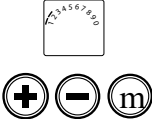



### 5.8.32 Level 6 - Variable Speed Menu 6 - Soft-Stop Speed CLOSE

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 6., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 6. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 6: Menu 6 Parameter Setting: Steps from 5 - 16. Default setting: 8.	
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		




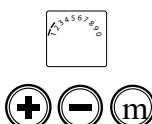



### 5.8.33 Level 6 - Variable Speed Menu 7 - Smart Running Position CLOSE

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 6., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 7. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 6: Menu 7 Parameter Setting: Setting with button + (OPEN) and - (CLOSE)	Adjusts the variable speed of the drive during the close cycle. Not a required setting in the U.S.
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		

### 5.8.34 Level 6 - Variable Speed Menu 8 - Soft-Stop Position CLOSE




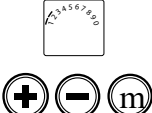



Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 6., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 8. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 6: Menu 8 Parameter Setting 1: Setting with button + (OPEN) and - (CLOSE).	Adjusts the soft run speed of the drive during the close cycle. Not a required setting in the U.S.
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		

### 5.8.35 Level 6 - Variable Speed Menu 9 - Soft-Start Duration OPEN



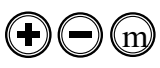
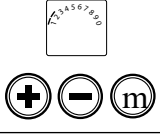
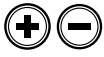


Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 6., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 9. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 6: Menu 9 Parameter Setting 1: Soft start time 1 second	
7	Level 6: Menu 9 Parameter Setting 2: Soft start time 2 seconds	
8	Level 6: Menu 9 Parameter Setting 3: Soft start time 3 seconds	
9	Level 6: Menu 9 Parameter Setting 4: Soft start time 6 seconds	
Save and exit advanced programming		
Item	Description	Comments
10	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
11	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		

















### 5.8.36 Level 6 - Variable Speed Menu 10 - Start Duration CLOSE

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 5., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 10. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 6: Menu 10 Parameter Setting 1: Soft start time 1 second	
7	Level 6: Menu 10 Parameter Setting 2: Soft start time 2 seconds	
8	Level 6: Menu 10 Parameter Setting 3: Soft start time 3 seconds	
9	Level 6: Menu 10 Parameter Setting 4: Soft start time 6 seconds	
Save and exit advanced programming		
Item	Description	Comments
10	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
11	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		




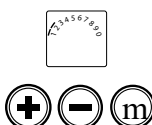



### 5.8.37 Level 7 - Service & Maintenance Menu 1 - Door Cycle Counter

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 7., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 1. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 7 Menu 1 Parameter Setting: Six-digit display of the door actuations up to 999999. Digits consecutively until display of point, then repeat	
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		















### 5.8.38 Level 7 - Service & Maintenance Menu 2 - Maintenance Counter

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	 
3	Using the (+) and/or (-) buttons, select Level Setting 7., then press (P) to enter menu mode.	  
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 2. Then press (P) to enter parameter settings mode. See below for available parameter settings.	   
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	 
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 7 Menu 2 Parameter Setting: Five-digit display of the remaining door actuations until maintenance display. Digits consecutively until display of point, then repeated.	
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		



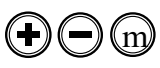
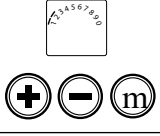
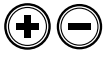


### 5.8.39 Level 7 - Service & Maintenance Menu3 - Maintenance Interval

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 7., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 3. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 6: Menu 3 Parameter Setting 1: OFF	
7	Level 6: Menu 3 Parameter Setting 2: 100 door actuations	
8	Level 6: Menu 3 Parameter Setting 3: 500 door actuations	
9	Level 6: Menu 3 Parameter Setting 4: 1,000 door actuations	
10	Level 6: Menu 3 Parameter Setting 5: 4,000 door actuations	
11	Level 6: Menu 3 Parameter Setting 6: 5,000 door actuations	
12	Level 6: Menu 3 Parameter Setting 7: 6,000 door actuations	
13	Level 6: Menu 3 Parameter Setting 8: 7,000 door actuations	
14	Level 6: Menu 3 Parameter Setting 9: 8,000 door actuations	
15	Level 6: Menu 3 Parameter Setting 10: 9,000 door actuations	
16	Level 6: Menu 3 Parameter Setting 11: 10,000 door actuations	
17	Level 6: Menu 3 Parameter Setting 12: 15,000 door actuations	
18	Level 6: Menu 3 Parameter Setting 13: 20,000 door actuations	
19	Level 6: Menu 3 Parameter Setting 14: 30,000 door actuations	
20	Level 6: Menu 3 Parameter Setting 15: 40,000 door actuations	
21	Level 6: Menu 3 Parameter Setting 16: 50,000 door actuations	
Save and exit advanced programming		
Item	Description	Comments
22	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
23	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		

### 5.8.40 Level 7 - Service & Maintenance Menu 8 - Reset Error Memory

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	 
3	Using the (+) and/or (-) buttons, select Level Setting 7., then press (P) to enter menu mode.	  
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 8. Then press (P) to enter parameter settings mode. See below for available parameter settings.	   
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	 
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 7: Menu 8 Parameter Setting 1: No reset The error memory is reset here for service, diagnostics and maintenance work. In case of service: Before deleting, make a note of the existing error messages for any queries. Note Deleting the error memory can take up to 10 seconds, only then are no errors present in the list	
7	Level 7: Menu 8 Parameter Setting 2: Reset error memory	
Save and exit advanced programming		
Item	Description	Comments
8	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
9	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		




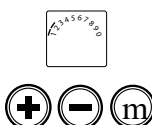



### 5.8.41 Level 7 - Service & Maintenance Menu 9 - Error Display

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 9., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 7. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 7: Menu 9 Parameter Setting: (+) Navigation through the error list (-) Display of the previous error / Navigation through the error list	Displays current error message
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		

### 5.8.42

Page intentionally left blank.




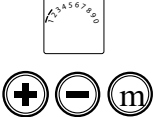



### 5.8.43 Level 8 - System Settings Menu 2 - Closing Edge Protective Device

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 8., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 2. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 8 Menu 2 Parameter Setting 1: OPEN door movement: Door reverses for a brief time CLOSE door movement: Door reverses for a brief time	
7	Level 8 Menu 2 Parameter Setting 2: OPEN door movement: Door reverses for a brief time CLOSE door movement: Door reverses for extended time	
8	Level 8 Menu 2 Parameter Setting 3: OPEN door movement: Door reverses for extended time CLOSE door movement: Door reverses for a brief time	
9	Level 8 Menu 2 Parameter Setting 4: OPEN door movement: Door reverses for extended time CLOSE door movement: Door reverses for extended time	
10	Level 8 Menu 2 Parameter Setting 5: OPEN door movement: Door reverses for a brief time with pressure switch testing CLOSE door movement: Door reverses for a brief time with pressure switch testing	
11	Level 8 Menu 2 Parameter Setting 6: OPEN door movement: Door reverses for a brief time with pressure switch testing CLOSE door movement: Door reverses for extended time with pressure switch testing	
12	Level 8 Menu 2 Parameter Setting 7: OPEN door movement: Door reverses for extended time with pressure switch testing CLOSE door movement: Door reverses for a brief time with pressure switch testing	
13	Level 8 Menu 2 Parameter Setting 8: OPEN door movement: Door reverses for extended time with pressure switch testing CLOSE door movement: Door reverses for extended time with pressure switch testing	
Save and exit advanced programming		
Item	Description	Comments
14	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
15	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		



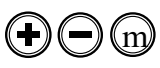
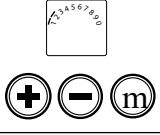
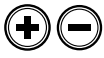


### 5.8.44



### 5.8.45 Level 8 - System Settings Menu 4 - Control Station operating modes

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 8., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 4. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 8: Menu 4 Parameter Setting 1: OPEN door movement: Constant Pressure CLOSE door movement: Constant Pressure	
7	Level 8: Menu 4 Parameter Setting 2: OPEN door movement: Momentary Contact door movement: Constant Pressure	
8	Level 8: Menu 4 Parameter Setting 3: OPEN door movement: Constant Pressure CLOSE door movement: Momentary Contact.	
9	Level 8: Menu 4 Parameter Setting 4: OPEN door movement: Momentary Contact CLOSE door movement: Momentary Contact.	
Save and exit advanced programming		
Item	Description	Comments
14	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
15	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		



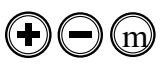
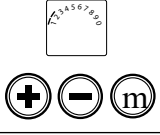
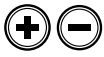


### 5.8.46 Level 8 - System Settings Menu 5 - Direction Command Transmitter Function

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 8., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 5. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 8: Menu 5 Parameter Setting 1: Direction command transmitter not active: The direction command transmitters only trigger a command with a stationary door.	
7	Level 8: Menu 5 Parameter Setting 2: Direction command transmitter STOP only: A running door is stopped by each direction command transmitter	
Save and exit advanced programming		
Item	Description	Comments
8	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
9	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		









### 5.8.47 Level 8 - System Settings Menu 6 - Pulse Command Transmitter Function

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting %00., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 6. Then press (P) to enter parameter settings mode. See below for available parameter settings.	 
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 8: Menu 6 Parameter Setting 1: Pulse command transmitter not active: The pulse command transmitters only trigger a command with a stationary door	
7	Level 8: Menu 6 Parameter Setting 2: Pulse command transmitter STOP only, then standard sequence A running door is stopped by each pulse command transmitter. A command sequence starts the drive system in the opposite direction (OPEN - STOP - CLOSE - STOP - OPEN).With automatic closure, STOP is possible in OPEN direction.	Reversing the direction of rotation is only permissible in the CLOSED door position. The quick programming OPEN menu is displayed automatically. Drive the door for min. 2 seconds without interruption in the OPEN door direction
7	Level 8: Menu 6 Parameter Setting 3: Pulse command transmitter STOP only, then standard sequence: A running door is stopped by each pulse command transmitter. A command sequence starts the drive system in the opposite direction (OPEN - STOP - CLOSE - STOP - OPEN). With automatic closure, no STOP in OPEN direction.	
Save and exit advanced programming		
Item	Description	Comments
9	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
10	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		

### 5.8.48 Level 8 - System Settings Menu 7 - Force Release in DOOR CLOSED POSITION (back-jump)




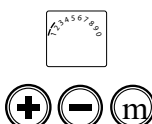



Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 8., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 7. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 8: Menu 7 Parameter Setting 1: Back-jump not active	Does not apply to side-mounted jackshaft VTA drives.
7	Level 8: Menu 7 Parameter Setting 2: Back-jump active - for a brief time	Does not apply to side-mounted jackshaft VTA drives.
8	Level 8: Menu 7 Parameter Setting 3: Back-jump active - moderate time	Does not apply to side-mounted jackshaft VTA drives.
9	Level 8: Menu 7 Parameter Setting 4: Back-jump active - extended time	Does not apply to side-mounted jackshaft VTA drives.
Save and exit advanced programming		
Item	Description	Comments
10	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
11	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		

### 5.8.49 Level 8 - System Settings Menu 8 - Direction of Rotation

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 8., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 8. Then press (P) to enter parameter settings mode. See below for available parameter settings.	 
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 8: Menu 8 Parameter Setting 1:Standard	Reversing the direction of rotation is only permissible in the CLOSED door position. The quick programming OPEN menu is displayed automatically. Drive the door for min. 2 seconds without interruption in the OPEN door direction
7	Level 8: Menu 8 Parameter Setting 2:Reverse direction of rotation After changing the direction of rotation, a RESET of the limit positions takes place automatically.	
Save and exit advanced programming		
Item	Description	Comments
8	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
9	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		

**NOTE:** Reversing the direction of rotation is only permissible in the CLOSED door position. The quick programming OPEN menu is displayed automatically. Drive the door for min. 2 seconds without interruption in the OPEN door direction

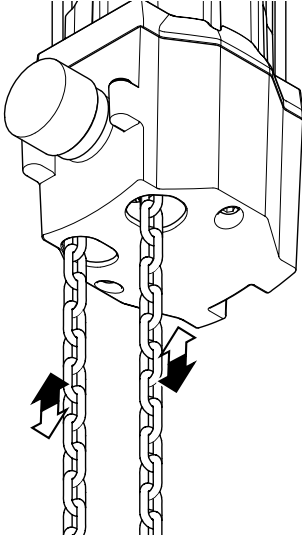
### 5.8.50 Level 8 - System Settings Menu 10 - Position of the Frame Light Barrier

Enter Advanced Programming Mode		
Item	Description	Comments
1	Begin with door in closed position.	
2	To begin advanced programming, press and hold (P) button for at least 12 seconds. A display of numbers 1-10 appears in an arch across the screen. A line above the number indicates current level	
3	Using the (+) and/or (-) buttons, select Level Setting 8., then press (P) to enter menu mode.	
4	Now in Menu mode, use the (+) and/or (-) buttons to select Menu 10. Then press (P) to enter parameter settings mode. See below for available parameter settings.	
5	Use the (+) and/or (-) buttons to cycle through available parameter settings:	
Select ONE of the following parameters:		
Item	Description	Comments
6	Level 6: Menu 9 Parameter Setting: Setting with button + (OPEN) and - (CLOSE).	The position of the frame light barrier can be set manually if necessary. Setting to allow operator to move in open or close direction when light barrier is interrupted.
Save and exit advanced programming		
Item	Description	Comments
7	When the desired Parameter Setting is selected, press the (P) button. The control changes to the level display.	
8	To end advanced programming mode, press and hold the (P) button for a minimum of 6 seconds. All changed Parameter Settings are now saved. Drive is now in operating mode	
Programming Complete.		

## 6. Operation

### 6.1 Emergency Operation

With an electrical fault or during maintenance work, the door can be moved with the aid of the OPEN and CLOSE emergency operation for both Quick Release and Emergency Chain Hoist VTA models. If the door moves beyond the OPEN or CLOSE limit positions, the drive can no longer be electrically generated.

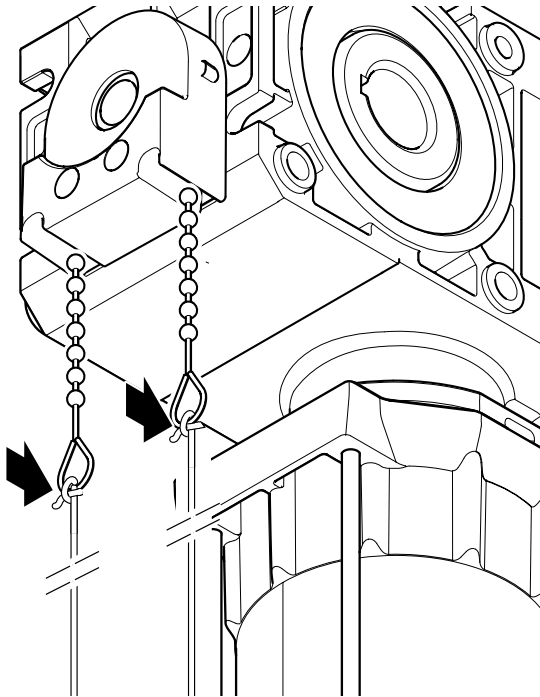


#### VTA Drives with Emergency Hand Chain

-Drive the door in the OPEN or CLOSE direction by pulling the emergency hand chain on the corresponding side.

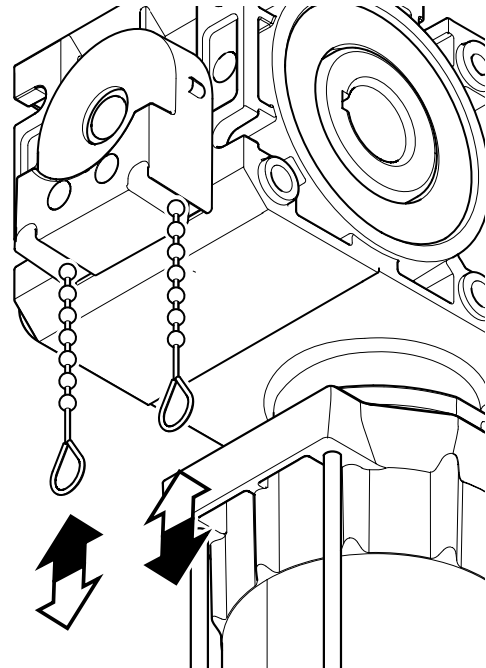
#### VTA Drives with Quick Release Mechanism

##### Step 1:



-Attach the rope cable supplied to the unlocking loops.

##### Step 2:



-Pull on the red cable toggle. The door can be moved manually.

-Pull on the green cable toggle. The door can be moved with the drive.

## 7. Maintenance

Repair of the VTA drive can only be performed by Marantec America authorized service technicians. Refer to 1.3.2 Professional Installation & Service Required.

## 8. Disassembly

Disassembly of the VTA is not recommended. Refer to 1.3.2 Professional Installation & Service Required.

## 9. Disposal

Contact Marantec America before performing any disposal or service issues related to warranty or for a return goods authorization.

- Used devices and batteries must be disposed of in accordance with local laws and regulations.
- Dispose of used devices at a collection point for electronic scrap or via your professional installer and/or service technician.
- Dispose of used batteries in a recyclables container for used batteries or via your professional installer and/or service technician.
- Dispose of packaging materials in a recycling container for cardboard, paper, and plastic.



# 10. Troubleshooting

## Faults without error messages

Command 108 has no display and does not light up.

Possible Cause	Solution
No power	1. Check whether power supply is on and functioning correctly. 2. Check power connection.
Thermal protection in the power supply has triggered.	1. Cut power supply to allow drive to cool down.
Command 108 unit defective.	1. Check the drive system and relevant components 2. Replace the Command 108 programming device.

No reaction after operation pulse (wall control).

Possible Cause	Solution
Connection terminals on the wall control for "pulse" button are bridged.	1. Experimentally disconnect any wired key switch or internal pressure switch from the control unit. 2. Disconnect wiring bus from XB50 socket and locate wiring fault.



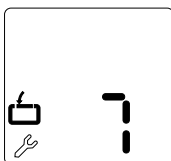
Refer to Section 4: Wiring Diagrams, Wiring Diagrams: Emergency Operation Safety Switch (optional)(XB50).

## Faults without error messages

No reaction after pulse by hand-held transmitter.

Possible Cause	Solution
Module antenna not plugged in	Connect module antenna with control unit with writing on the receiver facing out.
Mismatched remote codes	Remote and receiver codes may not be matched properly or the remote may be locked out. Reactivate the remote and/or reset codes: 1. Section 5.7: Advanced Programming Options - In Depth Cont 2. Section 5.8.5 : Level 1 - Basic Functions - Menu 8 - RESET
Remote battery dead or missing	Replace battery
Defective components	Verify remote, control electronics, or module antenna are not defective.

## Faults with error messages on display



The display shows detected faults with an error number (ex: Error Code 7) and the control changes to message mode. In operating mode, it is possible to display the last error code by pressing the (P) button.

Error Code	Solution
Code 5	The closing edge protective device was actuated in the down cycle. Check door and if necessary remove obstacle.
Code 7	Programming mode ends automatically after 120 seconds of no button actuation or activity, Error code 7 will be displayed. Restart the programming process.
Code 9	Door is unable to reach programmed end position. -Check door and drive system to make sure nothing is in the way and balance is correct. -Check open and closing forces (Level 2 Menu 1 and 2) - If problem persists contact custom

Code 10	<p>Door movement is sluggish or door jammed.</p> <ul style="list-style-type: none"> <li>• Clear any obstacles to allow door and operator to work properly.</li> <li>• Check to make sure door is properly balanced and lubricated.</li> <li>• Check opening and closing forces and adjust if necessary.</li> <li>• See Advanced Settings 5.8.8 Level 2 – Drive settings – Menu 1 – Required drive force OPEN</li> <li>• See Advanced Settings 5.8.9 Level 2 – Drive settings – Menu 2 – Required drive force CLOSE</li> </ul>
Code 11	<p>Run time limiting.</p> <p>* Make sure limits are set correctly.</p> <p>* contact customer service/tech support.</p>
Code 13	<p>Safety edge protective device not working properly during the down cycle.</p> <ul style="list-style-type: none"> <li>• Check wiring for closing edge protective device.</li> <li>• Check the closing edge protective device for proper operation.</li> </ul> <p>Closing edge protective device programmed in the down cycle, but not connected.</p> <ul style="list-style-type: none"> <li>• Deactivate closing edge protective device in the down cycle or connect.</li> </ul>
Code 14	<ul style="list-style-type: none"> <li>• Amount of cycles required to store force after setting end positions (3) not met.</li> <li>• Run drive 3 full cycles if possible.</li> <li>• Reset end position and run 3 full cycles</li> <li>• See Advanced Settings: Level 1, Menu 8, Parameter 8</li> </ul>
Code 15	<p>Photo Eye or pulsing safety device at XP69A interrupted or defective.</p> <ul style="list-style-type: none"> <li>• Remove obstacle or check photo eyes (wiring and/or alignment).</li> </ul> <p>Light barrier programmed, but not connected.</p> <ul style="list-style-type: none"> <li>• Deactivate light barrier or connect.</li> </ul>
Code 16	<p>Current sensor for automatic shutoff defective. The sensor that switches off the drive when the current at the drive is too high (e.g. due to an obstacle in the door travel).</p> <p>- Factory reset the unit and reprogram. (Level1, Menu 8, Parameter 2) -If problem persists, contact customer service.</p>
Code 26	<p>Input voltage too low. Not enough power to enable force limit setting.</p> <ul style="list-style-type: none"> <li>• Check external power supply.</li> </ul>
Code 28	<p>Door movement too sluggish, irregular, imbalanced, or jammed:</p> <p>-Door movement too sluggish, irregular, imbalanced, or jammed.–Check door for obstructions, proper manual operation, proper balance, or broken springs.</p> <p>-Check to make sure door is properly balanced and lubricated.–Check operating sensitivity settings (Level 2 Menu 2 and 3). If problem persists, contact customer service</p>
Code 30	<p>MS-BUS error:</p> <ul style="list-style-type: none"> <li>• Perform MS-BUS (XW40) module reset.</li> <li>• See Advanced Settings: Level 1, Menu 8 – Parameter 7</li> <li>• Have connected BUS modules checked.</li> </ul>
Code 33	<p>Thermal overload protection triggered, door too sluggish:</p> <ul style="list-style-type: none"> <li>• Check door. Door cycled (open and/or close) continually too often:</li> <li>• Unplug and/or Turn off power supply to cool VTA drive motor</li> </ul>
Code 36	<p>Logic board defective:</p> <ul style="list-style-type: none"> <li>• Replace logic board.</li> </ul>

Code 36	<p>This error code can also be triggered by a connected expansion module. Connection terminals for “stop” button interrupted (e.g. through line interruptions). Emergency chain is not properly sealed in, or on a drive with emergency crank, the crank is still in the drive.</p> <ul style="list-style-type: none"> <li>• Experimentally disconnect the wired stop button from the control:</li> </ul> <p>Δ, Disconnect cable from XB50 socket and locate wiring fault.</p> <ul style="list-style-type: none"> <li>• See 3.9.1 Emergency operation safety switch (optional)(XB50).</li> <li>• See 5.8.5 Level 1 - Basic Functions - Menu 8, Parameter 7 - “Reset MS Bus Module</li> </ul>
Code 40	<p>Limit positions approached or surpassed, or limit positions not programmed.</p> <ul style="list-style-type: none"> <li>• Run the door to halfway point manually (using quick release or hand chain) re-engage the quick release if that was used.</li> <li>• Perform a reset of the limits (Level 1 Menu 8 Parameter 8. Program limits when complete.</li> </ul>
Code 41	<p>Limit position sensor speed error, door too sluggish</p> <ul style="list-style-type: none"> <li>• Check door for obstructions, proper manual operation, proper balance, or broken springs. Clear obstructions or have door serviced, If needed.</li> <li>• Check to make sure door is properly balanced and lubricated.</li> <li>• Have the operating sensitivity settings checked.</li> <li>• If problem persists, contact customer service.</li> </ul>
Code 43	<p>Cable slack has been detected.</p> <ul style="list-style-type: none"> <li>• Check cables on the door and drum.</li> <li>• Perform a reset of the safety elements.</li> <li>• See: Level 1, Menu 8 - Parameter 6</li> </ul>
Code 44	<p>8K2 hold circuit or connection terminals for the door hold circuit interrupted, e.g. through cable interruption.</p> <ul style="list-style-type: none"> <li>• Disconnect cable from XP74 socket (WT / STOP terminal) and locate wiring fault.</li> </ul>
Code 48	<p>Door movement too sluggish, irregular or door jammed, or too hard.</p> <ul style="list-style-type: none"> <li>• Check door movement and make door passable.</li> </ul> <p>Setting of the CLOSE door positions defective.</p> <ul style="list-style-type: none"> <li>• Check the OPEN and CLOSE door positions and readjust if necessary.</li> <li>• Check door.</li> <li>• Check the following settings: Soft close, speed duration</li> </ul>

## 11. Warranty

### MARANTEC AMERICA CORPORATION Commercial Operator Limited Warranty

**2 Years Motor/Gearbox OR 40,000 open and close cycles.**

**1 Year Parts, Accessories and Electronics**

**THE WARRANTY IS FOR AS LONG AS THE ORIGINAL PURCHASER OF THE MARANTEC SYSTEM FOR 2 YEARS OR 40,000 OPEN & CLOSE CYCLES, WHICHEVER COMES FIRST.**

This Warranty applies, upon purchase from a Marantec reseller and installation by a professional installer and registration of the product within 30 days of the date of installation of the product, (to any defect in materials or workmanship in the Marantec product parts or components) Marantec disclaims any and all warranties in the event that the product is obtained from a source which is not a Marantec authorized reseller or if the product is not installed by a professional installer. "Grey market" purchases are not warranted or recognized in any manner whatsoever. This is not a "do it yourself" product. There is no warranty if the seal on the Marantec carton is broken at the time of sale, delivery or installation by a professional installer.

No "aftermarket" installation, alteration, opening of the housing or cases, modification or repairs are recognized or warranted. Any of the foregoing conduct voids all warranty provisions. This warranty is for parts only and is not for any service call (s) or labor in connection with the repair or replacement of the unit or its parts. Parts will only be shipped to a Marantec authorized reseller.

**Battery Backup System:** Marantec warrants the parts of the Battery Backup System (where applicable) including its charging system and battery for 1 year from the date of installation. These are warranted to be free from defects in materials or workmanship for 1 year from the date of installation.

Unauthorized repairs or repair parts, improper installations, damage while in transit, defects or damage resulting from cleaning, water or moisture exposure, or accidents, power failure and surges, resulting from alterations, lack of proper maintenance, unauthorized repair or modification of the product, misuse or abuse of the product, fire, flood, acts of God, damage to doors, tracks, springs, hardware or the residence, its contents and vehicles, other property or persons or other failures due to failure to follow the recommendations of the Owner's Manual are not warranted.

This warranty applies only to Marantec systems purchased from authorized Marantec distributor and/or installer in the United States, its Territories or Canada. Marantec make no warranties outside the United States, its Territories or Canada.

**Marantec Commitment:** If Marantec determines the product parts to be defective in materials or workmanship, then Marantec will supply parts for the repair or replacement of the defect to the Marantec authorized professional installer at no cost to you. You must pay for the service call and labor for installation of the part(s) determined to be defective by Marantec.

**THIS LIMITED WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR OTHER WARRANTIES IMPLIED BY STATUTE, AND OF ANY OTHER OBLIGATIONS OR LIABILITY ON THE PART OF MARANTEC AMERICA CORPORATION. THIS LIMITED WARRANTY DOES NOT COVER NON-DEFECT DAMAGE CAUSED BY IMPROPER INSTALLATION, OPERATION OR CARE AND MAINTENANCE, INCLUDING BUT NOT LIMITED TO ABUSE, MISUSE, POWER SURGE, FAILURE TO PROVIDE REASONABLE AND NECESSARY MAINTENANCE OR ANY ALTERATIONS TO THIS PRODUCT. LABOR CHARGES FOR DISMANTLING OR REINSTALLING A REPAIRED OR REPLACED UNIT ARE EXCLUDED.**

**UNDER NO CIRCUMSTANCES SHALL MARANTEC AMERICA CORPORATION BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES ARISING IN CONNECTION WITH THE USE OR INABILITY TO USE THIS PRODUCT OR THE PREMISES IN WHICH IT IS UTILIZED. IN NO EVENT SHALL MARANTEC AMERICA CORPORATION INCUR LIABILITY FOR BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR STRICT LIABILITY IN EXCESS OF THE COST OF THE PRODUCT COVERED HEREBY. NO PERSON IS AUTHORIZED TO ASSUME, FOR MARANTEC AMERICA CORPORATION, ANY OTHER LIABILITY OR MAKE ANY MODIFICATIONS OR EXTENSIONS TO THE WARRANTY OF THIS PRODUCT. THIS LIMITED WARRANTY MAY NOT BE TRANSFERRED OR ASSIGNED.**