Axess® Pro Series 3000
Industrial Roller Shutter Opener

Featuring TrioCode™ 128 Technology
Axess® Pro Series 3000 Contents

1-Phase 240Vac and 3-Phase 415Vac Industrial Roller Shutter Opener

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Automatic Technology (Australia) Pty Ltd to the extent that such may be lawfully excluded hereby expressly disclaims all conditions or warranties, statutory or otherwise which may be implied by laws as conditions or warranties of purchase of an Automatic Technology (Australia) Pty Ltd industrial roller shutter opener. Automatic Technology (Australia) Pty Ltd hereby further expressly excludes all or any liability for any injury, damage, cost, expense or claim whatever suffered by any person as a result whether directly or indirectly from failure to install the Automatic Technology (Australia) industrial roller shutter opener in accordance with these installation instructions.
1. Important Safety Instructions

The safety alert symbols below indicate a personal safety or property damage instruction exists. READ THESE INSTRUCTIONS CAREFULLY.

This automatic Door opener is designed and tested to offer safe service provided it is installed and operated in strict accordance with the following safety rules. Failure to comply with the following instructions may result in death, serious personal injury or property damage.

**WARNING!**
- The Door may operate unexpectedly, therefore do not allow anything to stay in the path of the door.
- For Safety protection, a Safety Beam must be fitted with logic console. Failure to comply will void the warranty and may result in serious personal injury and/or property damage.
- The drive must not be used with a Door incorporating a wicket door, unless the drive cannot be operated with the wicket door open.
- The drive is intended to be installed at least 2.5m above the floor.
- DO NOT allow children to operate the opener. Any device that can operate the opener, make sure it is out of reach of children and that the doorway is in full view at all times. Serious personal injury and/or property damage can result from failure to follow this warning.
- When using auto close mode, a Safety (Photo Electric) Beam must be fitted correctly and tested for operation at regular intervals. Extreme caution is recommended when using auto close mode. All safety rules must be followed.

**ELECTROCUTION!**
- Place opener in protected area so that it does not get wet.
- Do not spray with water.
- Disconnect the power cord from mains power before making any repairs or removing covers. Only experienced service personnel should remove covers from the opener.
- If the power supply cord is damaged, it must be replaced by an Automatic Technology service agent or suitably qualified person.
- Electrical wiring must be compliance with the local building an electrical codes.

**CAUTION:**
- Emergency access
  - If your facility has no pedestrian entrance door, an emergency access device should be installed.
- Entrapment under operating door
  - DO NOT operate the opener unless the Door is in full view and free from objects such as cars and children/people. Make sure that the Door has finished moving before entering or leaving the premises.
  - Do not allow children to play with Door controls or transmitters.
  - Ensure the Door is in good working order by undertaking regular servicing.
  - For ADDITIONAL SAFETY protection we STRONGLY recommend the fitting of a Safety (Photo Electric) Beam.
  - Safety beams must be installed if the closing force at the bottom edge of the door exceeds 400N (40kg)
- Installation
  - Frequently examine the installation, in particular, springs and mountings for signs of wear, damage or imbalance. DO NOT use if repair or adjustment is needed since a fault in the installation or an incorrectly balanced Door may cause injury. DO NOT attempt to repair the Door yourself as hardware is under extreme tension.
  - The Door must be well balanced and in good working order. Door springs, brackets and their hardware are under extreme tension and can cause serious personal injury. Do not attempt to adjust them. A faulty Door must be repaired by a industrial roller Door professional prior to opener installation.
  - Remove or disengage all Door locks and mechanisms prior to installation of the opener.
  - Ensure no parts of the Door or installation extend over public paths or roads.
  - After installation a full function test of the system and safety devices must be done.
  - Make sure the Door is fully closed before leaving the driveway.
- Security
  - Keep hands and loose clothing clear of Door and opener at all times.
2. Controller Input And Outputs

Motor identification harness connector
Clutch interlock microswitch connector
Serial interface connector
Position sensor connector
10 Amps slow blow mains fuse

Fig 2.1

Fig 2.2 - AX3105 & AX3110

Motor identification harness connector
Clutch interlock microswitch connector
Serial interface connector
Position sensor connector
10 Amps slow blow mains fuse

Fig 2.3 - AX3305, AX3310 & AX3315

Motor identification harness connector
Clutch interlock microswitch connector
Serial interface connector
Position sensor connector
FLQ10 - 500Vac time delayed fuse x 3
TDC11- 250mA 1000Vac slow blow fuse
3-phase 415Vac mains input terminal
3. Operating Controls

V1 Console:
- V+ Three Wire Safety Beams "+" Supply
- IN3 Three Wire Safety Beams Trigger Input
- V- Common For Two Wire Safety Beam and Three Wire Safety Beams
- IN2 Two Wire Safety Beam Input
- AUX OUT Receiver's Auxiliary Output
- FIRE Input Terminal (N/O or N/C)
- GPI N/O Input Terminal (N/O)
- OPN Input Terminal (N/O or N/C)
- STP Input Terminal (N/O or N/C)
- CLS Input Terminal (N/O)
- SWP Input Terminal (N/O)
- COM Terminal For Inputs

V2 Console:
- AUX OUT Receiver's Auxiliary Output
- V+ Accessory Supply
- SB3 Third Safety Beam Input
- SB2 Second Safety Beam Input
- SB1 First Safety Beam Input
- 0V Common For Safety Beams
- 0V Common Terminal For Control Inputs
- FIRE N/O, N/C Input Terminal
- GPI N/O Input Terminal
- OPN N/O, N/C Input Terminal
- STP N/O, N/C Input Terminal
- CLS N/O Input Terminal

Fig 3.1 - Logic Console
Fig 3.2 - Manual Console
4. Set up Requirements

4.1 Kit Contents

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>ORDER CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AXESS 3100 POWER DRIVE UNIT (Single Phase Power)</td>
<td>1</td>
<td>AX3105</td>
</tr>
<tr>
<td>2</td>
<td>AXESS 3300 POWER DRIVE UNIT (Three Phase Power)</td>
<td>1</td>
<td>AX3305</td>
</tr>
<tr>
<td>3</td>
<td>COMMUNICATION CABLE</td>
<td>1</td>
<td>61909</td>
</tr>
<tr>
<td>4</td>
<td>TIMING ASSEMBLY</td>
<td>1</td>
<td>61868</td>
</tr>
<tr>
<td>5</td>
<td>MOUNTING FLANGE</td>
<td>1</td>
<td>18026</td>
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<tr>
<td>6</td>
<td>OUTPUT DRIVE SHAFT ASSEMBLY</td>
<td>1</td>
<td>64536</td>
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<td>7</td>
<td>SPROCKET 14T (0.625&quot;)</td>
<td>1</td>
<td>64703</td>
</tr>
<tr>
<td>8</td>
<td>CHAIN 10B (0.625&quot;)</td>
<td>1</td>
<td>63026</td>
</tr>
<tr>
<td>9</td>
<td>AX30 FASTENER PACK (61703)</td>
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<tr>
<td>10</td>
<td>HEX BOLT DW M8 X 20 AND WASHERS</td>
<td>4</td>
<td>10116</td>
</tr>
<tr>
<td>11</td>
<td>HEX HEAD SCREW M8 X 38 AND WASHER</td>
<td>4</td>
<td>10105</td>
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<tr>
<td>12</td>
<td>HEX HEAD SCREW ZP (M12 X 35) AND WASHERS</td>
<td>4</td>
<td>10068</td>
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<tr>
<td>13</td>
<td>LOCK NUT KM6</td>
<td>1</td>
<td>10935</td>
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<tr>
<td>14</td>
<td>LOCKING WASHER MB6</td>
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<td>10985</td>
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<tr>
<td>15</td>
<td>AUTOMATED FULL LOGIC SET UP</td>
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<tr>
<td>16</td>
<td>MANUAL CONSOLE</td>
<td>1</td>
<td>18051</td>
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<tr>
<td>17</td>
<td>LOGIC CONSOLE</td>
<td>1</td>
<td>18050</td>
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<tr>
<td>18</td>
<td>TRICODE™128 KEYRING TRANSMITTERS</td>
<td>2</td>
<td>61160</td>
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<tr>
<td>19</td>
<td>SAFETY BEAMS WITH WIRES AND BRACKETS</td>
<td>1</td>
<td>61903</td>
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<tr>
<td>20</td>
<td>DEAD MAN SET UP</td>
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<td></td>
</tr>
</tbody>
</table>

4.2 Choosing your Set up

The Axess Pro 3000 can be set up in two ways and therefore may require additional items. Set ups are as follows:

<table>
<thead>
<tr>
<th>Set Up</th>
<th>Items Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dead Man Set Up</td>
<td>Drive Unit, Manual Console</td>
</tr>
<tr>
<td>Automated Full Logic Set Up</td>
<td>Drive Unit, Logic Console, transmitter and safety beams.</td>
</tr>
</tbody>
</table>
5. Pre-Installation Requirements

**IMPORTANT SAFETY INSTRUCTIONS FOR INSTALLATION**

Warning: Incorrect installation can lead to severe injury.
Follow ALL installation instructions.

The Axess® Pro Series 3000 is designed to operate most industrial heavy duty roller shutters. The shutter must be in good working condition and travel freely in the guides.

5.1 Initial Check

Before commencing installation, check the following:

a. The shutter moves freely for the full travel in both directions.

b. The mounting must be a solid construction (concrete, brick or steel) and must be able to withstand the full driving force applied to the shutter.

c. For full automatic operation a Safety Beam must be fitted to the logic console. The Safety Beam should be positioned as close to the shutter as practicable.

**SINGLE PHASE (3105 & 3110 models):** Require a 240V 10 Amp power point located within one metre of the drive unit.

5.2 Selecting the installation location

Overall dimensions of the opener are shown in Fig. 5.1 & 5.2. When selecting the installation location, consider the following:

- Minimum distance between the shutter drum and mounting plate needs to be more than 15mm and less than 100mm.
- Minimum distance between the drive unit and the imposing structure is 10mm.
- The overhead clearance needs to be at least 150mm.

5.3 Drive Unit Pre-assembly

The opener can be installed on either the right- or left hand side of the shutter (when viewed from inside the building). The timing assembly, mounting flange and drive shaft needs to be assembled according to the installation side. Assembling the opener for RIGHT- HAND installation is listed below and shown in Fig 5.4. For LEFT-HAND side installation, assemble the parts from the other end.

- a. Assemble the mounting flange 4 with four M8x38 screws 9 to the drive unit 1.
- b. Insert the output drive shaft 5 into the gearbox, thread side first.
- c. Secure the output drive shaft with the lock washer 11 and lock nut 12.
- d. Finger tighten the lock nut* 12 then lock it by securing the position of the lock nut by bending one tooth of the lock washer 11 into the slot on the lock nut. (Fig 5.4 insert)
- e. Line up the shaft of the timing assembly 3 with the keyway on the back of the drive shaft. Push and secure the timing assembly with four M8x20 bolts 8 ensuring the cable gland is facing the motor.

**NOTE:** The drive unit is not designed to be mounted upside down. Gearbox damage will result.

* Finger tighten the lock nut, this will remove any movement in the output shaft. Excessive tightening to lock nut may cause damage to output shaft bearing.
6. Installation

6.1 Mounting The Drive Unit
Open the shutter about one metre from the floor. Raise the drive unit to the required height by using a suitable lifter or use chain block connected to a secure beam above the shutter axle.

a. Position opener and secure with four M12x35 screws.  
b. Mount drive sprocket on shaft in line with shutter drive gear. Tighten the grub screw on the sprocket with M4 hex key.

c. Shorten drive chain as required and fit around drive gears.

d. Feed manual chain (not supplied) through guide and over the clutch pulley.

e. Shorten the manual chain as required and fix ends to make a loop.

NOTE: Ensure that hand chain is not twisted when making a loop.

WARNING! Do not turn the power on to the opener before connecting either console.

6.2 Installing The Logic Or Manual Console

a. Remove the main cover.

b. Affix the logic or manual console at a height of 1.5 metres within sight of the shutter. Make sure that the position of the logic or manual console is out of reach of children and convenient to the customer (Fig. 6.1).

c. Connect the communication cable from the opener to the logic or manual console unit.

NOTE: Ensure that network cable is affixed properly and away from the moving parts of the shutter and opener.

WARNING! For full automatic operation a Photo Electric Beam Sensor (Safety Beam) must be fitted with logic console. Failure to comply will void the warranty and may cause serious personal injury and/or property damage.

7. Programming The Opener

The most common programs are:

<table>
<thead>
<tr>
<th>Program</th>
<th>Menu's required</th>
<th>Function</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dead Man Set Up</td>
<td>Manual Console</td>
<td>Setting the Limits</td>
<td>10.1</td>
</tr>
<tr>
<td>Automated Full Logic</td>
<td>Menu 10.1</td>
<td>Setting the Limits</td>
<td>11.1 or 12.4</td>
</tr>
<tr>
<td>Set Up with Safety</td>
<td>Menu 1</td>
<td>Coding the Transmitter</td>
<td>13.1</td>
</tr>
<tr>
<td>Beams</td>
<td>Menu 6.1</td>
<td>Safety Close Mode</td>
<td>16.1</td>
</tr>
<tr>
<td></td>
<td>Menu 3</td>
<td>Auto Close Times</td>
<td>16.2 to 16.5</td>
</tr>
</tbody>
</table>

NOTE: Fitting Safety Beams enables the Auto-Close feature to become active.

For the Dead Man Set Up the shutter can not be closed by Auto-Close or by transmitters. When Safety Beams are not installed, the controller will display the following message;

ATTENTION! No Safety Beams have been detected. “Safety Close’ mode has been turned on. See Manual for details. Press SET to continue.
8. Safety Beam Installation

Safety Beams
Safety Beams extend across the doorway opening. The Safety Beam is designed to detect an obstruction while the shutter is closing and to send a signal to the opener to reverse or stop the shutter movement.

8.1 Fitting the Safety Beam
a. Attach the mounting bracket \( \text{Fig. 8.1} \) to the adjustment bracket with the pan head screw. (Fig. 8.1)
b. Attach the bracket to the Safety Beam transmitter with four taptite screws (M3 x 5) and attach the other side to the adjustment bracket with the pan head screw.
c. Repeat steps a and b to assemble the Safety Beam receiver.

CAUTION: Locate the Safety Beam in a strategic location in the doorway. Automatic Technology recommend that the sensor is placed 100mm above the floor level and as close as possible to the door opening.

8.2 Wiring the Safety Beam to V1 Logic Console
a. Connect the wires from the Safety Beams wiring harness to terminal block.
   i. By default the Axess® Pro Series 3000 will take two wire safety beams (connect one wire to IN2 input and the second wire to \( V_- \), next to the IN2 terminal. (Fig. 8.2)).
   ii. The V1 Console will only take 2 wire safety beams or 3 wire beams not a combination of both.
b. For three wire beams connect the Resistor 5k6 ohms (Green Blue Red Gold) to number 2 (two) and 4 (four) terminal on the Safety-2 receiver (Fig. 8.3). Make sure to align the beams correctly. Follow the manual supplied with the Safety Beams.
c. Ensure you program the Axess® Pro Series 3000 to identify what type of Safety Beam or combination of Safety Beams you have installed.
   i. Press NEXT to Navigate to Menu 6
   ii. Press SET to display Menu 6.4 (for IN3).
   iii. Use the UP and DOWN arrows to change the Safety Beam type from two to three wires.
   iv. Press SET to accept the selection.

WARNING: When using Safety Beams, the doorway must be clear of all obstructions and persons at all times. The location of the beams and manner in which it is installed might not give safety protection at all times. Check to make sure that the height of the beam and type used give maximum protection possible.

WARNING: Tampering with Safety Beams could result in serious personal injury and/or property damage and will void the warranty.
8. Safety Beam Installation

8.3 Wiring the Safety Beam to V2 Logic Console
a. Connect the wires from the Safety Beams wiring harness to terminal block.
   i. By default the Axess® Pro Series 3000 will only take two wire safety beams (connect one wire to SB3, SB2 or SB1 input and the second wire to 0V, next to the SB1 terminal (Fig. 8.4)).
   ii. The V2 Console can take up to three (3) two wire safety beams but is NOT compatible with three wire safety beams.

b. Make sure to align the beams correctly. Follow the manual supplied with the Safety Beams.

8.4 Alignment
a. Power up the Axess® Pro Series 3000 with the Safety Beam connected. The green LED on the transmitter should turn ON to indicate power is present.

b. If the receiver is connected to power and the red LED is flashing while the green LED on the transmitter is on, the transmitter and receiver are not aligned.

c. Make horizontal and/or vertical adjustment on the transmitter and/or receiver until the red LED on the receiver turns on, indicating alignment. Approaching to the alignment is indicated by fast flashes on the red receiver LED.

9. Setting Limits via Console

The manual console has open, close, stop and set push buttons. The status of the door is indicated by the LED lights. The manual console only supports Safety Close mode. In this mode, the user must press and hold the close button to close the door. The door can be opened by pressing the open button once.

9.1 Setting Travel Limits With Manual Console
a. Turn on the power to the opener. After a short delay blue close LED will start to flash.

b. Press and hold the CLOSE button (Fig. 9.1) - the shutter should start closing.
   i. If the shutter opens, release the CLOSE button and press the STOP button once to change the motor's direction. Press and hold the CLOSE button until close position of the shutter is reached.
   ii. If the shutter overshoots, press the OPEN button to move the shutter in the open direction.

c. When the shutter is at the desired close position, press the SET button to record the close limit position. The green open LED will start to flash.

d. Press and hold the OPEN button to open the shutter. When the shutter is at the desired open position, release the OPEN button.
   i. If the shutter overshoots, press the CLOSE button to move the shutter in the CLOSE direction.

WARNING! Once the next step is performed, the shutter will automatically close and open to calculate travel time settings. Keep persons and objects clear of the shutter.

e. Press the SET button to store the open limit. The shutter will now automatically close and open to calculate the travel time settings.

f. Replace the main cover. The opener can now be operated with the OPEN or CLOSE buttons on the manual console.

9.2 Clearing Travel Limits With Manual Console
a. Turn power to the opener off.

b. Press and hold the SET Button.

c. Turn power on while holding the SET button.

Continue to hold until all LED's are off.

d. Repeat 10.1 to set travel limit positions.

NOTE: Safety (Photo Electric) Beams, transmitters or any other device to control the operation of the shutter is not supported by the manual console.
9. Setting Limits via Console

9.3 Setting Travel Limits with Logic Console

a. Turn on the power to the opener. The controller will go through a start up sequence.

b. After a short delay the MAIN SCREEN (Fig. 9.2) will be displayed. If this is the first time the Axess® Pro Series 3000 is being used, the MAIN SCREEN should enter into limit set mode and the blue close LED will be flashing. If the display shows that an input is active, then rectify the situation before continuing with the procedure for setting the travel limits. Press and hold the CLOSE button - the Door should start closing.

i. If the Door opens, release the CLOSE button and press the STOP button once to change the motor's direction. Press and hold the CLOSE button until close position of the Door is reached.

ii. If the Door overshoots, press the OPEN button to move the Door in the open direction.

c. When the Door is at the desired close position, press the SET button to record the close limit position. The display will change and the green open LED will start to flash (Fig. 9.3).

d. Press and hold the OPEN button to open the Door. When the Door is at the desired open position, release the OPEN button.

i. If the Door overshoots, press the CLOSE button to move the Door in the CLOSE direction.

**WARNING!** Once the next step is performed, the Door will automatically close and open to calculate travel time settings. Keep persons and objects clear of the Door.

e. Press the SET button to store the open limit. The Door will now automatically close and open to calculate the travel time settings. After this, If PE Beams are installed, the opener can be operated with the OPEN or CLOSE button on the logic console or from the transmitter. Otherwise, the controller will be loaded with "Safety Close Mode". (Section 13.1)
9. Setting Limits via Transmitter

In order to use a transmitter to set the limits, it must first have at least one of its buttons coded to the logic console. The function assigned to the transmitter’s buttons is of no concern here as the buttons are temporarily assigned to OPEN, CLOSE and SET (Fig. 9.5).

**Code A Transmitter For Limit Setting**

a. Press NEXT to navigate to Menu 1.
b. Press SET to enter the code set procedure (Fig. 9.4).

**Storing Transmitter Code**

a. The logic console will prompt to press one of the transmitter’s button.
b. Press the transmitter button you wish to use to operate the opener (e.g. button 1).
c. Press the same transmitter button again as prompted by the display.
d. Press the SET button to store the transmitter.

**Navigating To “Set Door Travel Menu”**

a. Press PREV to navigate to Menu 10.
b. Press SET to display MENU 10.1.
c. Press SET two times to enter the limit setting procedure. The close blue LED will start to flash.

**9.4 Setting Limits Via Transmitter**

a. Press and hold Button 4 on the transmitter to close the Door.
   i. If the Door opens, release button 4 and press the STOP button once on the logic console to change the direction of the motor. Then press and hold Button 4 on the transmitter to close the Door.
   ii. If the Door is closed too far, press Button 1 to “inch” the Door towards open.
b. When happy with the close limit position, press Button 2 to store this in the memory. The open green LED will start to flash. Press Button 1 to open the Door.
   i. If the Door is opened too far, press Button 4 to “inch” the Door closed.

**WARNING:** The Door will automatically close and open once the next step is performed. Ensure that no persons or objects are in the path of the Door.

c. When you are happy with the open limit position, press Button 2 on the transmitter to store into memory. The Door will now automatically close and open to calculate the travel times and other settings.
d. After this, if PE Beams are installed, then the opener can be operated with the OPEN or CLOSE button on the logic console or from the transmitter. Otherwise, the controller will be loaded with “Safety Close Mode”. (Section 13.1)

**9.5 To Recalculate Travel Times**

Re-profiling is a simplified way of re-learning the travel characteristic of a previously setup Limit Switch travel installation. Re-profiling can be used when the travel characteristics of the Door change due to mechanical adjustments etc.

a. To initiate a re-profile, locate “MENU 10.2 Reprofile Travel”
b. Press SET and follow the prompts.

The Door will start to move and re-calculate force margins. The Door can move between the open and close limit positions up to two (2) times (depending on the position of the Door and the power up condition). A single beep will be heard once the process is complete.

**IMPORTANT NOTE:**

Only TrioCode™128 Technology Transmitters are compatible with the Axess® Pro Series 3000 products.
10. Coding Transmitter

The Axess® Pro Series 3000 can store 511 transmitters in its memory. Each transmitter can be allocated an alpha-numeric ID label up to eleven characters in length and each button can be assigned to one of several control functions. The settings for a transmitter are represented in Fig. 10.1. It shows the transmitter's store number, ID label or serial number and the functions assigned to each of the four buttons. To toggle between ID/SN display, press UP/DOWN with the cursor on the ID/SN indicator. The procedures below code, delete, replace, edit and copy transmitter records.

10.1 Coding Transmitter Button

Navigating To Menu 1 “Code Transmitter”

a. Press NEXT to navigate to Menu 1.

b. Press SET to enter the code set procedure.

Storing Transmitter Code

a. The logic console will prompt to press one of the transmitter's buttons.

b. Press the transmitter button you wish to use to operate the opener (e.g. button 1) (Fig. 10.2).

c. Press the same transmitter button again as prompted by the display.

10.2 Selecting Function Of The Button

The logic console will now show the transmitter's record, with a cursor on the field for the button being coded (Fig. 10.3). Use OPEN/CLOSE to select the function for the button.

Available functions:

OSC (Open/Stop/Close)  PED (Pedestrian access)
SWP (Swipe)   CLS (Close)
OPN (Open)   STP (Stop)
LGT (Courtesy Light)  VAC (Vacation Mode)
AUX (Auxiliary)  OFF (No action)

NOTE: OSC can change to OS and CLS (Close) function, but is not available in the case where PE Beams are not installed. Press SET to save the settings or STOP to abort without saving.

10.3 Returning To Main Screen

Press STOP to return to the MAIN SCREEN and test the transmitter. 

NOTE: To edit the other settings, refer to transmitter edit procedure in Appendix F.

IMPORTANT NOTE: Only TrioCode™128 Technology Transmitters are compatible with the Axess® Pro Series 3000 products.
11. Remotely Coding Transmitters

If a transmitter is already coded into the opener, additional transmitters can be coded without being in direct contact with the opener’s wall console unit.

**NOTE:** Only the function of the existing transmitter button can be assigned to new transmitter. Please read instructions prior to proceeding - there is a timer-out facility for security reasons.

### 11.1 Selecting The Function To Be Coded

a. Using the existing transmitter, operate the Door with the transmitter button which has the function to be coded (e.g., Button 1 has been coded with the OSC function assigned).
b. If the button’s function activates the Door (PED, SWP, OSC, CLS, STP or OPN) wait for the shutter to complete its cycle.

### 11.2 Activate Remote Code Set Mode

a. Use a small pin / pen to press and hold through the Coding Hole of the existing transmitter for 2 seconds (Fig. 11.1).
b. Within 10 seconds, press the button on the new transmitter you wish to code for 2 seconds (Fig. 11.2).
c. Press the same button again (within 10 seconds) for confirmation.
d. Test Operation. The new transmitter button should now function as the existing transmitter.

**NOTE:** When a transmitter is remotely coded, its ID label is set to that of the existing transmitter. If the existing transmitter does not have an ID label assigned, then the ID label of the new transmitter is set to: R/C Tx ###, where ### is the existing transmitters store number. This ensures that the originator of any remotely coded transmitter can be identified.

**NOTE:** To Manage your Transmitters, refer to Transmitter Management in Appendix G.

12. Setting Pedestrian Position

After completing the limit setup procedure the Pedestrian Access position is automatically set to a position which is approximately in the middle of the door travel. The position can be manually set by following the Setting Pedestrian Position procedure.

### 12.1 Setting Pedestrian Position

a. Drive and stop the door at the desired Pedestrian Access position by using a transmitter or wall control unit.
b. Press PREV to navigate to Menu 10.
c. Press SET. MENU 10.1 will be displayed.
d. Press NEXT to go to MENU 10.3

e. Press SET on the wall control unit to save the Pedestrian Access position (Fig. 12.1).
f. Press the STOP button to exit to the main screen.

### 12.2 Checking Pedestrian Position

When activated by a transmitter button which is coded as Ped mode, the opener drives the door to the preset position from either above or below. Ped Mode’s active status is indicated on the display (Fig. 12.2).

If a Ped Mode button is pressed while the door is moving, the door will stop. If a Ped Mode button is pressed when the door is in the Ped position, then the door will close.

### 12.3 Error Displays

During the above procedure many error checks are performed. If an error is detected, a message will be displayed indicating the error.
13. Auto-Close Mode

V1 Consoles

13.1 Safety Close Mode
The controller has a built in Safety Beam detection. If Safety Beams are not installed, the controller will automatically turn on the Safety Close Mode. By enabling this parameter, the shutter can only be closed by holding the close button on the wall control unit (Dead Man Set Up).

In order to facilitate an Automated Set Up and enable to shutter to be closed by a transmitter proceed by;

Navigate to “Safety Close Mode (Menu 6.1)”

a. Press the OPEN button.
b. Warning will display.

c. Press SET to accept the warning.
d. Press either the OPEN or CLOSE arrows to change to OFF.
e. Press SET to Save the change.

**DANGER! Read Manual before turning off Safety Close Mode. Press SET to continue.**

**WARNING! The Auto-Close function is not available unless Safety Beam is installed.**

13.2 Setting Up Standard Auto-Close Mode
Menu 3. Auto-Close Times
The Auto-Close modes automatically close the shutter after it has been operated. To implement this the controller starts a timer once the shutter has reached its desired open position. The timer then counts down and when it expires the controller starts to close the shutter. Details about the four Auto-Close modes follow. Automatic Technology strongly recommend using a Safety Beam for added safety.

Menu 3.1 Standard Auto Close
This mode is selected by entering a non-zero time for the STD Auto-Close parameter. When selected, the shutter will Auto-Close after being fully opened (except when the shutter has reversed to the open position after a motor obstruction or overload). Countdown is suspended by: S.B., OPN or SWP input being active. The countdown is aborted if the STP input is activated. If the shutter is already open and the OPN or the SWP input is activated, then the countdown will start.

**13.3 Safety Beam Triggered Auto Close**
Menu 3.2 Directional Auto-Close (SB Auto Close)
This mode is selected by entering a non-zero time for the “Safety Beam Auto-Close” parameter. Second Safety beam must be installed and connected to OPN input. Sub menu 5: OPN I/P 2nd P.E in menu 7 Operating modes must be selected “ON” and also sub menu 4: OPN I/P N/C operation in menu 7 Operating modes must be selected “ON”.

This mode is used to auto-close the door only after a vehicle have passed through the doorway to exit the premises. The 2nd Safety Beam (OPN) input must be active when the Safety Beam input is activated in order for Safety Beam triggered auto-close to be activated. This mode is useful for fire brigade, ambulance stations etc.

Menu 3.4 (Safety Beam) Pedestrian Auto-Close
This mode is selected by entering a non-zero time for the “Ped’n A/C” parameter. When selected, the door will Auto-Close after being opened for pedestrian access unless it was following a reverse from an obstruction.

Menu 3.5 (Auto-Close after close overload)
This mode enables the Auto-Close feature to be activated when a close overload occurs (requires Safety Beams).

Menu 3.6 (Auto-Close after open overload)
This mode enables the Auto-Close feature to be activated when an open overload occurs.

Menu 3.7 (Auto-Close after power up)
This mode enables Auto-Close feature after power up.
13. Auto-Close Mode

V2 Consoles

13.6 Safety Close Mode
The controller has a built in Safety Beam detection. If Safety Beams are not installed, the controller will automatically turn on the Safety Close Mode. By enabling this parameter, the Door can only be closed by holding the close button on the wall control unit.
In order to facilitate an Automated Set Up and enable to Door to be closed by a transmitter proceed by;

Navigate to “Safety Close Mode (Menu 6.1)"

a. Press the OPEN button.

b. Warning will display.


c. Press SET to accept the warning.
d. Press either the OPEN or CLOSE arrows to change to OFF.
e. Press SET to Save the change.

WARNING! The Auto-Close function is not available unless Safety Beam is installed.

13.7 Setting Up Standard Auto-Close Mode
Menu 3. Auto-Close Times
The Auto-Close modes automatically close the Door after it has been operated. To implement this the controller starts a timer once the Door has reached its desired open position. The timer then counts down and when it expires the controller starts to close the Door. Details about the four Auto-Close modes follow.

Menu 3.1 Standard Auto Close
This mode is selected by entering a non-zero time for the STD Auto-Close parameter. When selected, the Door will Auto-Close after being fully opened (except when the Door has reversed to the open position after a motor obstruction or overload. Countdown is suspended by S.B., OPN or SWP input being active. The countdown is aborted if the STP input is activated. If the Door is already open and the OPN or the SWP input is activated, then the countdown will start.

13.8 Safety Beam Triggered Auto Close
Menu 3.2 (SB AC Trig)
This mode is selected by entering a non-zero time for the “Safety Beam Auto-Close” parameter. This mode is used to Auto-Close the Door after a vehicle has passed through the Safety Beam and then through Safety Beam 1 to exit the premises. This mode is useful for fire brigade, ambulance stations etc.

13.9 Pedestrian Auto-Close
Menu 3.4 Pedestrian Auto-Close
This mode is selected by entering a non-zero time for the “Pedn’ A/C” parameter. When selected, the door will Auto-Close after being opened for pedestrian access unless it was following a reverse from an obstruction.

Menu 3.5 (Safety Beam) Pedestrian Triggered Auto-Close
Any Safety Beam or combination of Safety Beams can be configured to activate Safety Beam Auto-Close mode.

Menu 3.6 (Safety Beam) Pedestrian Auto-Close
This mode is selected by entering a non-zero time for the “Pedn’ A/C” parameter. When selected, the door will Auto-Close after being opened for pedestrian access unless it was following a reverse from an obstruction.

13.10 Auto-Close After Obstruction:
Three parameters are provided to enable the Auto-Close feature to be activated after obstructions and power up. Normally the Auto-Close feature is not enabled after obstructions for safety reasons. Safety Beams must be used for these features to be activated. The three parameters are:

Menu 3.7 (Auto-Close after close overload)
This mode enables the Auto-Close feature to be activated when a close overload occurs (requires Safety Beams).

Menu 3.8 (Auto-Close after open overload)
This mode enables the Auto-Close feature to be activated when an open overload occurs.

Menu 3.9 (Auto-Close after power up)
This mode enables Auto-Close feature after power up.
14. Time Clock

The opener provides a programmable time clock which can be used to control the Axess® Pro Series 3000 on a timed basis at various times of the week. This section details the time clock operation and configuration.

14.1 Time Clock Operation
The time clock consists of a 7 day clock and storage for 32 programs. The clock is powered by its own battery and therefore does not lose time when the Axess® Pro Series 3000 is turned off. Each time clock program defines the time of the day and the days of the week it is to run and the output function to be executed. Any combination of the days of the week can be selected.

14.2 Time Clock Settings
The Time Clock settings are accessed by selecting the Time Clock menu (MENU 7). Press SET (Fig. 14.1) to enter the menu and then PREV or NEXT to navigate through the options.

Menu 7.1 Set Time/Date
This is where the current time, date and day are displayed and set (Fig. 14.2).

NOTE: The time is in a 24 hour format and the Day of the week is not automatically set with the date. To change the settings simply press UP or DOWN to display the cursor and then move to the field to be changed using the NEXT / PREV buttons. Then press OPEN/CLOSE to change the setting and then the SET or STOP buttons to save.

Menu 7.2 View Programs
Select this menu to display or edit the Time Clock programs (Fig. 14.3). When selected, program number 1 is displayed and the cursor is shown on the program number field. The other fields shown include the function, time and days of operation. The example Fig. 14.4 shows that the shutter will OPEN at 7 am on Mondays, Tuesdays, Wednesdays, Thursdays and Fridays. Use the OPEN /CLOSE buttons to scroll through the other programs (Fig 14.5).

To edit a program, simply press the NEXT / PREV buttons to move the cursor onto the required field and press the OPEN/CLOSE button to change the value. To save the program settings, press SET or to exit without saving press STOP.

The selectable functions available are:

<table>
<thead>
<tr>
<th>Function</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>RX = Off</td>
<td>From the time when the program with RX = OFF is activated, all the transmitters will be disabled.</td>
</tr>
<tr>
<td>RX = On</td>
<td>From the time when program with RX = ON is activated, all the transmitters will be enabled.</td>
</tr>
<tr>
<td>Open Door</td>
<td>From the time when the program with OPEN Door is activated, the shutter will open and stay open.</td>
</tr>
<tr>
<td>Stop Door</td>
<td>This feature will let the user activate the stop function until the next program starts. The shutter will not open or close while stop is activated.</td>
</tr>
<tr>
<td>Free Door</td>
<td>Release the controls from the timer.</td>
</tr>
<tr>
<td>Off</td>
<td>This will temporarily disable the program.</td>
</tr>
</tbody>
</table>

NOTE: The most recent program that applies to an output remains active until a new program takes effect.

NOTE: If a Time Clock program does not have a day selected then it can not be executed. If a Time Clock program is taking control of the opener, then this status is displayed on the LCD. The MAIN SCREEN and clock status screen flashes alternatively.
15. Battery Replacement

15.1 Removing the Battery From the Transmitter
(Battery Type: 3V Lithium Battery CR2032).
Use a non-metallic object (e.g. pen) to remove the battery. (Fig. 15.1). To test the battery is working, press and hold a transmitter button; (Fig. 15.2).

<table>
<thead>
<tr>
<th>Light Status</th>
<th>Battery Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>OK</td>
</tr>
<tr>
<td>Flashing</td>
<td>Requires replacement</td>
</tr>
<tr>
<td>No light</td>
<td>Requires replacement</td>
</tr>
</tbody>
</table>

15.2 Battery Status and Replacement

16. Battery Disposal

When batteries reach the end of their usual life in accordance with Australian Battery Recycling Initiative please follow the next simple steps for protecting the environment.

Refer to the Automatic Technology website for information on where to recycle batteries in Australia.

Recycling all batteries will have other environmental and social benefits:
- Some batteries are less toxic but hazardous for other reasons. Lithium batteries can explode or catch fire in landfill, while button cells are dangerous if swallowed by children. Recycling offers a safe and environmentally responsible solution for end of life batteries.
- Battery recycling recovers non-renewable materials such as lead, cadmium, stella, zinc, manganese, cobalt, silver, plastics and rare earth elements.
- Removal of batteries and other hazardous household products from household waste facilitates the recovery of organic materials through alternative waste technologies such as composting. Batteries and heavy metals are known contaminants in compost.
- The community supports recycling because it reduces waste to landfill and achieves environmental benefits.

DO NOT throw the batteries in municipal waste. This symbol of the crossed out wheeled bin indicates that the battery should not be placed in the municipal waste. Check your local regulations for appropriate disposal of the batteries.

WARNING! Prior to disposal, recycling, or collection, all battery terminals must be securely insulated with a non conductive material to prevent any two batteries from short circuiting and generating heat during storage or transport. Battery terminals may be insulated with electrical tape; or batteries may be individually packaged in a non conductive material (e.g., plastic bag or original packaging).
17. Accessories Installation

17.1 Fitting Courtesy Lights
A light relay module (optional) can be connected to the aux out on the console to control the courtesy light.

Menu 4. Light Times
a. Press NEXT or PREV on the wall control unit to navigate to Menu 4 Light/Lock Times.
b. Press SET to select the sub menu.
c. Press NEXT or PREV to navigate through the sub menu.
d. Press OPEN to increase or CLOSE to decrease the time.
e. Press SET to save the new time.
f. Press the STOP button two times to exit.
g. Test the light operation.

18. Specifications

<table>
<thead>
<tr>
<th>Technical Specifications</th>
<th>Single Phase</th>
<th>Three Phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>230V - 240Va.c. 50Hz</td>
<td>Three Phase 415 Volts AC</td>
</tr>
<tr>
<td>Motor type</td>
<td>Single Phase 240 Volts (Delta Connection)</td>
<td>Three Phase 415 Volts AC (star connection)</td>
</tr>
<tr>
<td>Model</td>
<td>AX3105 0.5HP 18m²</td>
<td>AX3305 0.5HP 18m²</td>
</tr>
<tr>
<td>Motor Power</td>
<td>AX3110 1.0HP 36m²</td>
<td>AX3310 1.0HP 36m²</td>
</tr>
<tr>
<td>Maximum shutter opening</td>
<td></td>
<td>AX3315 1.5HP 50m²</td>
</tr>
<tr>
<td>Opener Limits Travel</td>
<td>30.5 turns of output shaft</td>
<td>30.5 turns of output shaft</td>
</tr>
<tr>
<td>Duty Cycle</td>
<td>60%</td>
<td>60%</td>
</tr>
<tr>
<td>Receiver type</td>
<td>UHF Multi-frequency FM Receiver</td>
<td>UHF Multi-frequency FM Receiver</td>
</tr>
<tr>
<td>Receiver code storage</td>
<td>511 X 4 button Transmitter Codes</td>
<td>511 X 4 button Transmitter Codes</td>
</tr>
<tr>
<td>capacity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Receiver Sensitivity</td>
<td>– 103 dB</td>
<td>– 103 dB</td>
</tr>
<tr>
<td>Transmitter frequency</td>
<td>UHF Multi-frequency FM Transmitter</td>
<td>UHF Multi-frequency FM Transmitter</td>
</tr>
<tr>
<td>Coding type</td>
<td>Code hopping</td>
<td>Code hopping</td>
</tr>
<tr>
<td>Number of code combinations</td>
<td>Over 100 billion random codes</td>
<td>Over 100 billion random codes</td>
</tr>
<tr>
<td>Code generation</td>
<td>Non-linear encryption algorithm</td>
<td>Non-linear encryption algorithm</td>
</tr>
<tr>
<td>Courtesy light</td>
<td>Common Collector Transistor output</td>
<td>Common Collector Transistor output</td>
</tr>
<tr>
<td>Mains fuse</td>
<td>FLQ10 - 500 VAC time delayed fuse x 3</td>
<td></td>
</tr>
<tr>
<td>Controller fuse</td>
<td>10A slow blow</td>
<td>TDC11 - 250 milliamp 1000 VAC slow blow fuse</td>
</tr>
<tr>
<td>Transmitter Battery</td>
<td>CR - 2032 (3 Volts)</td>
<td>CR - 2032 (3 Volts)</td>
</tr>
<tr>
<td>Real Time Clock Battery</td>
<td>CR -1220 (1.5 Volts)</td>
<td>CR -1220 (1.5 Volts)</td>
</tr>
</tbody>
</table>

NOTE:
If the Safety Beams are not installed then the controller will automatically go into “Safety Close” mode. A limited number of features are available in this mode, please refer to menu 6.1 in Section 13.1 & 13.6.
## 19. Troubleshooting

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Possible cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank display screen.</td>
<td>Mains power not switched on.</td>
<td>Switch on mains power.</td>
</tr>
<tr>
<td></td>
<td>Communication cable not connected.</td>
<td>Connect the communication cable.</td>
</tr>
<tr>
<td></td>
<td>Drive unit cover is lose or missing.</td>
<td>Install / secure drive unit cover.</td>
</tr>
<tr>
<td>Logic console displays “Drive Disengaged”.</td>
<td>Hand chain is not freely hanging.</td>
<td>Free the hand chain.</td>
</tr>
<tr>
<td>During limit setting, pressing the close button causing the shutter to open.</td>
<td>Motor running in wrong direction.</td>
<td>Change the motor direction by pressing stop button on the logic console once.</td>
</tr>
<tr>
<td>Opener Overloads.</td>
<td>Shutter is locked.</td>
<td>Unlock the shutter.</td>
</tr>
<tr>
<td></td>
<td>Shutter tracks/hardware damaged.</td>
<td>Shutter requires service/repair by qualified technician.</td>
</tr>
<tr>
<td></td>
<td>Full load current settings are too low.</td>
<td>Adjust the full Load current in menu 2.1. (Appendix A &amp; C)</td>
</tr>
<tr>
<td>Shutter operates from logic console (OPEN/CLOSE) button but not from transmitter.</td>
<td>Transmitter code not stored in memory.</td>
<td>Code transmitter into opener’s memory. (Section 10.1)</td>
</tr>
<tr>
<td></td>
<td>Transmitters operation disabled from the time clock.</td>
<td>Enable the transmitter operation in the time clock menu. (Section 14.5)</td>
</tr>
<tr>
<td></td>
<td>The opener is in “Vacation Mode”.</td>
<td>Turn off “Vacation Mode”. (Appendix C Menu 6.16)</td>
</tr>
<tr>
<td></td>
<td>Flat battery in transmitter.</td>
<td>Replace battery (Section 15)</td>
</tr>
<tr>
<td>Shutter does not close with transmitter.</td>
<td>Safety Close Mode is on.</td>
<td>Turn the Safety Close Mode off. (Section 13.1 or 13.6)</td>
</tr>
<tr>
<td></td>
<td>Transmitter does not contain TrioCodeTM128 Technology</td>
<td>Check that the transmitter has grey buttons and the model number on the back displays V2. Contact dealer for support if otherwise.</td>
</tr>
<tr>
<td></td>
<td>Safety Beams not installed or not working properly.</td>
<td>Make sure Safety Beams are operational.</td>
</tr>
<tr>
<td>Shutter will not close fully.</td>
<td>Shutter limit positions need to be reset.</td>
<td>Reset limit positions. (Section 9) Clear obstruction.</td>
</tr>
<tr>
<td></td>
<td>Shutter obstructed and reverses.</td>
<td>Reset limit positions. (Section 9) Clear obstruction.</td>
</tr>
<tr>
<td>Shutter will not open fully.</td>
<td>Shutter limit positions need to be reset.</td>
<td>Reset limit positions. (Section 9) Clear obstruction.</td>
</tr>
<tr>
<td></td>
<td>Shutter obstructed.</td>
<td>Reset limit positions. (Section 9) Clear obstruction.</td>
</tr>
<tr>
<td>Auto-Close not working.</td>
<td>Safety Beam not installed.</td>
<td>Install Safety Beam. (Section 8)</td>
</tr>
<tr>
<td></td>
<td>Safety Beam or wiring faulty.</td>
<td>Repair Safety Beam or replace wiring.</td>
</tr>
<tr>
<td></td>
<td>Safety Beam not aligned correctly.</td>
<td>Re-align optics.</td>
</tr>
<tr>
<td></td>
<td>Safety Beam is obstructed.</td>
<td>Remove obstruction from path of Safety Beam</td>
</tr>
<tr>
<td></td>
<td>Shutter obstructed when closing or opening.</td>
<td>Remove obstruction.</td>
</tr>
<tr>
<td></td>
<td>Auto-Close time not set.</td>
<td>Set Auto-Close times. (Section 13)</td>
</tr>
</tbody>
</table>
20. Maintenance

**WARNING!**: Failure to maintain your shutter may void the warranty on your shutter opener.

**CAUTION**: Shutter adjustments should only be carried out by experienced persons, as this function can be dangerous if not performed under strict safety procedures.

20.1 Shutter Maintenance
The shutter should be tested manually regularly to ensure it is in good condition. A poorly maintained shutter could cause fatal or serious injuries or serious damage to property. Therefore it is recommended:

- Frequently examine the shutter, particularly the cables, springs and mountings for signs of wear, damage or imbalance. **DO NOT USE** if repair or adjustment is needed since a fault in the installation or an incorrectly balanced shutter may cause injury.

20.2 Lubrication (every 3 - 6 months)
To ensure a long and trouble free life for your shutter the following is recommended:

- Lubricate the drive chain.
- Guide Tracks: Clean the internal sections of the guide tracks with a cloth dampened with mineral turps or methylated spirits.

20.3 Shutter Service and Repair
If correct maintenance and servicing are not carried out, warranty may be void. To keep your shutter running well, it is recommended that your shutter be serviced by an experienced technician, every **12 months** or earlier if required:

- Check the manual operation of the shutter by using the hand chain.
- Fasteners: Check all screws, nuts and bolts to ensure they are secure.

Service Record
Record any maintenance in the following table to assist in any warranty service.

<table>
<thead>
<tr>
<th>Date</th>
<th>Service by Company Name</th>
<th>Print Name</th>
<th>Signature</th>
<th>Warranty Counter Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
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<td></td>
</tr>
</tbody>
</table>

**20.4 Opener Maintenance**
To ensure a long and trouble free life for your opener the following is recommended:

- Monthly:
  - i. Check the tension, condition and alignment of the drive chain. Adjust / replace if required.
  - ii. Check the operation of the Safety Beams.
- Quarterly:
  - i. Check tightness of the fixing bolts and grub screw of the sprocket.

**NOTE**: If the shutter does not operate smoothly, call your industrial shutter professional.

20.5 Service Indicator
As a reminder the Axess Pro 1505 has a built in maintenance counter. This counter has a factory default of 60,000 cycles, and it is adjustable from 0 to 60,000 cycles. When this counter expires, at the start of each shutter movement the beeper will sound three times and “SERVICE DUE” message displays on the console.

At this time Automatic Technology recommends you contact your industrial shutter professional to perform an annual shutter service.

**ELECTROCUTION!** Disconnect the opener power cord from the mains power before making any door repairs / maintenance or removing the opener button cover.
# 21. Appendix

## A - Console Menu Structure

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
</table>

### Menu 1 - Code Transmitter

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>STORING TRANSMITTERS</td>
<td>0.0</td>
<td>511</td>
<td>1</td>
<td></td>
<td></td>
<td>13.1</td>
<td></td>
</tr>
</tbody>
</table>

### Menu 2 - Current Trips

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Load Amps 0.5 HP model AX3105</td>
<td>0.0</td>
<td>1.6</td>
<td>1.6</td>
<td>1</td>
<td>Amps</td>
<td>2.1</td>
<td>Appendix C</td>
</tr>
<tr>
<td>Full Load Amps 1.0 HP model AX3110</td>
<td>0.0</td>
<td>2.9</td>
<td>3.7</td>
<td>1</td>
<td>Amps</td>
<td>2.1</td>
<td>Appendix C</td>
</tr>
<tr>
<td>Full Load Amps 0.5 HP model AX3305</td>
<td>0.0</td>
<td>1.6</td>
<td>1.6</td>
<td>1</td>
<td>Amps</td>
<td>2.1</td>
<td>Appendix C</td>
</tr>
<tr>
<td>Full Load Amps 1.0 HP model AX3310</td>
<td>0.0</td>
<td>2.9</td>
<td>2.9</td>
<td>1</td>
<td>Amps</td>
<td>2.1</td>
<td>Appendix C</td>
</tr>
<tr>
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<td>3.5</td>
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<td>Amps</td>
<td>2.1</td>
<td>Appendix C</td>
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<table>
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<th>Parameter</th>
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<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% Overload Time</td>
<td>0</td>
<td>30</td>
<td>10</td>
<td>1</td>
<td>Sec</td>
<td>2.2</td>
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</table>

### Menu 3 - Auto Close

#### V1 CONSOLE:

<table>
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<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>STD AUTO-CLOSE TIME</td>
<td>0.0</td>
<td>300.0</td>
<td>0.0</td>
<td>1.0</td>
<td>Sec</td>
<td>3.1</td>
<td>15.2</td>
</tr>
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</table>

S.B AUTO-CLOSE TIME
Sets and enables the S.B triggered Auto-Close time

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>60.0</td>
<td>0.0</td>
<td>1.0</td>
<td>Sec</td>
<td>3.2</td>
<td>15.3</td>
<td></td>
</tr>
</tbody>
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PEDESTRIAN AUTO-CLOSE TIME
Sets and enables the Pedestrian Auto-Close time

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<thead>
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<th>Parameter</th>
<th>Min</th>
<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>60.0</td>
<td>0.0</td>
<td>1.0</td>
<td>Sec</td>
<td>3.3</td>
<td>15.4</td>
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S.B PEDESTRIAN AUTO-CLOSE TIME
Sets and enables the PE Pedestrian Auto-Close time

<table>
<thead>
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<th>Min</th>
<th>Max</th>
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<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>60.0</td>
<td>0.0</td>
<td>1.0</td>
<td>Sec</td>
<td>3.4</td>
<td>15.4</td>
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AUTO-CLOSE AFTER CLOSE OBSTRUCTION
Enables Auto-Close feature after close obstructions (requires Safety Beams)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
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<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
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</thead>
<tbody>
<tr>
<td>Off</td>
<td>On</td>
<td>Off</td>
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<td></td>
<td>3.5</td>
<td>15.5</td>
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AUTO-CLOSE AFTER OPEN OBSTRUCTION
Enables Auto-Close feature after open obstructions

<table>
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<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
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</thead>
<tbody>
<tr>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td></td>
<td></td>
<td>3.6</td>
<td>15.5</td>
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AUTO-CLOSE AFTER POWER UP
Enables Auto-Close feature power up

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
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<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td></td>
<td></td>
<td>3.7</td>
<td>15.5</td>
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#### V2 CONSOLE

<table>
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<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>STD AUTO-CLOSE TIME</td>
<td>0.0</td>
<td>300.0</td>
<td>0.0</td>
<td>1.0</td>
<td>Sec</td>
<td>3.1</td>
<td>16.2</td>
</tr>
</tbody>
</table>

S.B AUTO-CLOSE TRIG Selects the Safety Beam or combination of Safety Beams to enable the S.B triggered Auto-Close mode.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td>3.2</td>
<td>16.3</td>
<td></td>
</tr>
</tbody>
</table>

S.B AUTO-CLOSE TIME
Sets and enables the S.B triggered Auto-Close time

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>60.0</td>
<td>0.0</td>
<td>1.0</td>
<td>Sec</td>
<td>3.3</td>
<td>16.3</td>
<td></td>
</tr>
</tbody>
</table>

PEDESTRIAN AUTO-CLOSE TIME
Sets and enables the Pedestrian Auto-Close time

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>60.0</td>
<td>0.0</td>
<td>1.0</td>
<td>Sec</td>
<td>3.4</td>
<td>16.4</td>
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</tr>
</tbody>
</table>

S.B PEDESTRIAN AUTO-CLOSE TRIG Selects the Safety Beam or combination of Safety Beams to enable the S.B triggered Pedestrian Auto-Close mode.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td>3.5</td>
<td>16.4</td>
<td></td>
</tr>
</tbody>
</table>

S.B PEDESTRIAN AUTO-CLOSE TIME
Sets and enables the PE Pedestrian Auto-Close time

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>60.0</td>
<td>0.0</td>
<td>1.0</td>
<td>Sec</td>
<td>3.6</td>
<td>16.4</td>
<td></td>
</tr>
</tbody>
</table>

AUTO-CLOSE AFTER CLOSE OBSTRUCTION
Enables Auto-Close feature after close obstructions (requires Safety Beams)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td></td>
<td></td>
<td>3.7</td>
<td>16.5</td>
<td></td>
</tr>
</tbody>
</table>

AUTO-CLOSE AFTER OPEN OBSTRUCTION
Enables Auto-Close feature after open obstructions

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td></td>
<td></td>
<td>3.8</td>
<td>16.5</td>
<td></td>
</tr>
</tbody>
</table>

AUTO-CLOSE AFTER POWER UP
Enables Auto-Close feature power up

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td></td>
<td></td>
<td>3.9</td>
<td>16.5</td>
<td></td>
</tr>
</tbody>
</table>

### NOTE:
The System will automatically return to the main screen after 30 secs if a menu screen is displayed and no buttons are pressed.

### OPERATIONAL BUTTONS:
1. Press PREV/NEXT buttons move to Left/Right.
2. Press OPEN/CLOSE buttons to change setting.
3. Press SET button to save changes.
4. Press STOP to return to MENU without saving changes.
**NOTE:**
The System will automatically return to the main screen after 30 secs if a menu screen is displayed and no buttons are pressed.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Menu 4 - Light / Lock Times</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ON AFTER CYCLE LIGHT TIME</td>
<td>0</td>
<td>255</td>
<td>60</td>
<td>1</td>
<td>Sec</td>
<td>4.1</td>
<td>18.1</td>
</tr>
<tr>
<td>Time light remains on for after a cycle</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ON BEFORE OPEN CYCLE LIGHT TIME</td>
<td>0</td>
<td>25.5</td>
<td>0</td>
<td>0.1</td>
<td>Sec</td>
<td>4.2</td>
<td>18.1</td>
</tr>
<tr>
<td>Minimum time light is activated for prior to opening</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ON BEFORE CLOSE CYCLE LIGHT TIME</td>
<td>0</td>
<td>25.5</td>
<td>0</td>
<td>0.1</td>
<td>Sec</td>
<td>4.3</td>
<td>18.1</td>
</tr>
<tr>
<td>Minimum time light is activated for prior to closing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| **Menu 5 - Motor Settings** | | | | | | | |
| SINGLE PHASE 3100 SERIES | OPEN SPEED FREQUENCY | 15 | 75 | 50 | 1 | HZ | 5.1 | Appendix C |
| Sets the speed of the motor | | | | | | | |
| CLOSE SPEED FREQUENCY | 15 | 75 | 50 | 1 | HZ | 5.2 | Appendix C |
| Sets the speed of the motor | | | | | | | |
| THREE PHASE 3300 SERIES | MOTOR START TIME | 0.1 | 2.5 | 1.0 | 0.1 | Sec | 5.1 | Appendix C |
| sets overload ignore time from the start of the motor | | | | | | | |
| MOTOR PAUSE TIME | 0.1 | 2.0 | 0.3 | 0.1 | Sec | 5.2 | Appendix C |
| Sets the time for motor to come to rest | | | | | | | |

| **Menu 6 - Operating Modes** | | | | | | | |
| Safety Close Mode | Off | On | On | | | 6.1 | 16.1 |
| Safety Open Mode | Off | On | Off | | | 6.2 | Appendix C |
| Safety Beam Input Response Mode | Off | On | Off | | | 6.3-5 | Appendix C |
| Sets the S.B response mode. Options are OPEN and CLOSE cycles stop, Close cycles stop or Close cycle reverse | OPN & CLS stop | CLS to stop | CLS to reverse | | | | |
| SB REVERSE TIME | 5 | FULL | FULL | 1 | Sec | 6.6 | Appendix C |
| GPI INPUT MODE | configure the GPI input. Options are OSC, PED, SWP and DAY LIGHT SAVING | OSC, PED, DST | OSC | | | 6.7 | Appendix C |
| PED INPUT = SWIPE MODE | Selects PED input functions as pedestrian access swipe input | Off | On | Off | | 6.8 | Appendix C |
| OPN INPUT N/C OPERATION | Selects operating polarity of OPN input | Off | On | N/O | | 6.9 | Appendix C |
| STP INPUT N/C OPERATION | Selects operating polarity of STP input | Off | On | N/O | | 6.10 | Appendix C |
| FIRE INPUT N/C OPERATION | Selects operating polarity of FIRE input | Off | On | N/O | | 6.11 | Appendix C |
| FIRE INPUT MODE | configure the fire input. Options are OPN, CLS and PED | OPN, CLS, PED | OPN | | | 6.12 | Appendix C |
| REMOTE CODE ENABLED | Selects remote transmitter coding function | Off | On | On | | 6.13 | Appendix C |
| ACTIVITY REPORTS | Select report to be output | Off | 255 | Off | 1 | | 6.14 | Appendix C |
| ACTIVITY REPORT ID | Selects ID for controller, sent with activity report | 0 | 65535 | 0 | 1 | | 6.15 | Appendix C |
| VACATION MODE | Selects Vacation Mode - disables remote control | Off | On | Off | | 6.16 | Appendix C |
| PASSWORD | Selects password protection for all changes | Off | On | Off | | 6.17 | Appendix C |
| Transmitter Grouping | Off | On | Off | | | 6.18 | Appendix C |
| Fault Auto Reset - Selects Fault Auto Reset | Off | On | Off | | | 6.19 | Appendix C |
| LED Low Power Mode - Selects saving the power by turning LEDs Off | Off | On | Off | | | 6.20 | Appendix C |
| Console OSC Buttons - Selects to lock out the console buttons | Off | On | Off | | | 6.21 | Appendix C |
| AUX OUT O/P can be activated by either LIGHT DRIVE, CLOCK/TXER/ SB, OPEN or CLOSE status | LIGHT DRIVE | | | | | 6.22 | Appendix C |
### Appendix

## B - Viewing Logic Console Parameters

This section illustrates how to locate, view and adjust parameters in the logic console unit.

### Locating parameters

Refer to CONSOLE MENU STRUCTURE or the preceding section for CONTROL BOARD ADJUSTMENTS. Locate the required parameter and note the MENU number. The example used in (Fig. B.1) displays Menu 2.2 “100% O/L Time”

---

### Table: Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Min</th>
<th>Max</th>
<th>Default</th>
<th>Step</th>
<th>Unit</th>
<th>Menu No.</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Menu 7 - Time Clock</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SET TIME / DATE</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td></td>
<td></td>
<td>7.1</td>
<td>17.1</td>
</tr>
<tr>
<td>VIEW / EDIT PROGRAMS</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td></td>
<td></td>
<td>7.2</td>
<td>17.2</td>
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<tr>
<td>SETTINGS</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td></td>
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<td>7.3</td>
<td>17.3</td>
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<tr>
<td><strong>Menu 8 - Diagnostics</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>TEST INPUTS - Controls input display status</td>
<td>Inactive</td>
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<td>Appendix D</td>
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<td>TEST TRANSMITTERS (TX'ERS)</td>
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<td>Appendix D</td>
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<td>DISPLAY HISTORY</td>
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<td>Appendix D</td>
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<tr>
<td>MEMORY USAGE</td>
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<td>8.4</td>
<td>Appendix D</td>
</tr>
<tr>
<td>SERVICE COUNTER</td>
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<td></td>
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<td>Appendix D</td>
</tr>
<tr>
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<td></td>
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<td>8.6</td>
<td>Appendix D</td>
</tr>
<tr>
<td>INSTALL DATA</td>
<td></td>
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<td>8.7</td>
<td>Appendix D</td>
</tr>
<tr>
<td>PARAMETERS</td>
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<td></td>
<td></td>
<td>8.8</td>
<td>Appendix D</td>
</tr>
<tr>
<td>VERSION INFO - Firmware</td>
<td></td>
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<td></td>
<td></td>
<td>8.9</td>
<td>Appendix D</td>
</tr>
<tr>
<td><strong>Menu 9 - Memory Tools</strong></td>
<td></td>
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</tr>
<tr>
<td>CLR CONTROL</td>
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<td></td>
<td></td>
<td>9.1</td>
<td>Appendix E</td>
</tr>
<tr>
<td>CLR TRANSMITTERS (TX'ERS)</td>
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<td></td>
<td></td>
<td></td>
<td>9.2</td>
<td>Appendix E</td>
</tr>
<tr>
<td><strong>Menu 10 - Setup Travel</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>SETUP LIMITS</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>10.1</td>
<td>11.1 or 12.4</td>
</tr>
<tr>
<td>REPROFILE TRAVEL</td>
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<td></td>
<td></td>
<td></td>
<td>10.2</td>
<td>12.5</td>
</tr>
<tr>
<td>SET PEDESTRIAN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10.3</td>
<td>15.1</td>
</tr>
</tbody>
</table>

---

[Fig B.1](#)

Parameter number in sub menu  
Parameter name  
Parameter value  
Displays previous parameter in list  
Displays next parameter in list  
Returns back to menu  
Enter Edit Mode

---

---
Appendix

B - Editing Logic Console Parameters

Changing Settings
a. Press NEXT/PREV to navigate to the required menu.
b. Press SET to show the sub-menu.
c. Press NEXT/PREV to go to the required sub-menu.
d. Press OPEN/CLOSE to enter Edit mode and change parameter setting (Fig B.2).
e. Holding the button down causes the parameter's value to change rapidly.
f. The longer the button is held, the faster the value changes.
g. Press SET to SAVE the setting.

Reload Default Setting
a. Press NEXT/PREV buttons to display the LOAD DEFAULT screen.
b. Press SET to load the default value.

Return To Menu
If the parameter's value is not to be changed, press STOP to return to the sub menu. Press STOP again to return to the MAIN SCREEN.

Appendix

C - Control Board Adjustments

The standard operation of the opener can be altered by editing various parameters. This section describes the parameters and the effect they have. Use the VIEWING AND EDITING PARAMETER PROCEDURE (Appendix B) to make changes.

Menu 2 Current Trips
Motor overload detection is provided to protect the Door and the opener. The motor is designed to run with full load current. For one horse power motor with the default values the opener will run with 7.4 Amps for 10 seconds before going into overload.

Menu 5. Motor Settings
Motor speed: The maximum speed the motors run at is controlled by the OPEN AND CLOSE SPEED VOLTAGE parameter. The default value is the maximum recommended for normal operation. If however the Door moves too quickly or too slowly for a particular installation, the frequency / time can be reduced to make the motors run slower or faster.

NOTE: Altering these parameters will cause the travel limits to be cleared.
Motor Speed Control - soft start/soft stop: The speed of the motor is controlled by a microprocessor which ramp up the speed as the Door starts to move, and ramp down the speed as it approaches the travel limits to provide a gentle stop. This provides a gentle start and stop.

Menu 6
Menu 6.2 Safety Open Mode
By enabling this parameter, the user can open the Door only by holding the open button on the wall control unit or by holding the open input active. The Door can not be opened by the transmitters.

Menu 6.3 First (SB1) Safety Beam Response Mode
The Safety Beams input can be configured to respond in one of eight modes.

i. Reverses Close Cycles In this mode, the Safety Beam input has no effect when opening but will cause the door to reverse if activated when closing.

ii. Close Cycles Stop In this mode, the Safety Beam input has no effect when opening but will stop the door when closing.

iii. Open and Close Cycles Stop In this mode, all cycles are prevented from being completed or initiated when the Safety Beam input is active.

iv. Open input In this mode, open cycle is initiated when the Safety Beam is activated.

v. Swipe input In this mode, open cycle is initiated when the Safety Beam is activated.

vi. Close input In this mode, close cycle is initiated when the Safety Beam is activated.

vii. Ped input In this mode, ped cycle is initiated when the Safety Beam is activated.

viii. Aux O/P trigger In this mode, aux output is triggered when the Safety Beam is activated.

ix. Disabled In this mode, Safety Beam is disabled.

Menu 6.4 Second Safety Beam (SB2) Response Mode
Same as above menu 6.3

Menu 6.5 Third Safety Beam (SB3) Response Mode
Same as above menu 6.3
Appendix
C - Control Board Adjustments

Menu 6.6 Safety Beam Obstruction Reverse Time Mode
Normally after a Safety Beam obstruction the door will fully open to its open position. After a Safety Beam Close obstruction, the doors open cycle can be reduced from 5 sec to its full open position.

Menu 6.7 GPI Input
GPI input can be configured as OSC, PED or DST setup. The GPI input terminal is activated by the N/O switch.

i. When GPI Selected As OSC: If the door is moving, the activation of the GPI input or by a transmitter button with the OSC function assigned will cause the door to stop. The next trigger will move the door in the opposite direction to the last travelled.

ii. When GPI Input Is Configured As PED: The activation of the GPI input or by a transmitter button with PED function assigned will open the door partially to allow pedestrian access but prevent vehicle access. The position the door is driven to is automatically set to halfway during setting of the travel limits, but can be adjusted to suit.

iii. When GPI Input Is Configured As SWP: Activation of GPI input in this mode will open the door.

iv. When GPI Input Is Configured As MANUAL OPERATION: Activation of GPI input in this mode will disable all the transmitters.

v. When GPI Input Is Configured As DST: The GPI input can be used to switch between STD time and DST (daylight savings time). The time selected is the amount of time added to STD time when DST is selected. The options are OFF, 30, 60, 90 or 120 minutes. The GPI input needs to be constantly active to show daylight saving time.

Menu 6.8 PED Input Function
If GPI or Fire Input is selected as PED then these inputs can be configured to a SWIPE type input for pedestrian access. This provides full functionality with the Safety Beam Triggered Pedestrian Auto-Close function.

Menu 6.9 Open Input Polarity
The OPN input is normally configured for N/O operation. This parameter allows its operation to be changed to N/C.

Menu 6.10 STP Input Polarity
The STP input is normally configured for N/O operation. This parameter allows its operation to be changed to N/C.

Menu 6.11 FIRE Input Polarity
The FIRE input is normally configured for N/O operation. This parameter allows its operation to be changed to N/C.

Menu 6.12 FIRE Input Configuration
Fire input can be configuration as OPN, CLS (available only if Safety Beams are installed) or PED function. Activated by FIRE input with N/O or N/C (if selected) switch.

i. When Fire Input Is Configured As CLS: Activating the fire input will cause the Door to close only if Safety Beams are installed. Holding the input active will prevent Door from opening.

ii. When Fire Input Is Configured As PED: The activation of fire input will open the Door partially to allow pedestrian access but prevent vehicle access. The position the Door is driven to is automatically set to halfway during setting of the travel limits, but can be adjusted to suit.

iii. When Fire Input Is Configured As OPN: Activating the fire input will cause the Door to open. Holding the input will prevent the Door from closing.

6.13 Remote Code
The controller supports the Remote Code Set feature. This parameter can be used to disable the feature for security or transmitter management reasons.

6.14 Activity Reports
This parameter enables activity report outputs. Contact Automatic Technology for more details.

6.15 Activity Report ID
This parameter sets the ID of the controller that is sent with the activity report. Contact Automatic Technology for more details.

6.16 Vacation Mode
Vacation Mode blocks all but one designated remote control transmitter from activating the Axess® Pro Series 3000. The mode is activated by pressing a transmitter button with the VAC function assigned until the console displays that Vacation Mode is enabled (approx. 5 sec). When activated all the transmitter buttons will be ignored. To turn Vacation Mode off, press a transmitter button with the VAC function assigned. Vacation Mode can also be turned on or off manually by editing the Vacation Mode parameter. Vacation Mode can be turned on or off using this parameter.

6.17 Password Protection
The password feature enables all parameters and configuration settings to be protected unless a password is entered. When this feature is turned on, the user is requested to enter the desired password to be used. The password protection feature has a time-out that expires after 60 seconds of inactivity. Alternatively, the user may log out manually by pressing exit when the main screen is displayed.

6.18 Transmitter Grouping
The transmitter store number display format can be changed to show a grouped format. When grouping is selected, instead of displaying the store location as a number between 1 and 511, it will display as ### where ## is the group number and $ is a character a,b,c,d,e,f,g or h which indicates the group member.

6.19 Fault, Auto Reset
When selected, the controller will reset any fault automatically.

6.20 LED Low Power Mode
When LED low power mode is selected, the controller will turn the LED power off to save the power.

6.21 Console OSC Buttons
Console can be locked out by selecting console OSC buttons OFF.

6.22 AUX Output Operation
AUX output can be selected to be driven by:

i. Light Drive: Although the GDO10V3L2 drive unit has a light relay output, a light relay module can be connected on the console between V+ and AUX OUT terminal which will turn the courtesy light on and off.

ii. Clock/Transmitter: By selecting this option, AUX output can be triggered by programming the clock timer or by the transmitter.

iii. Open Status: Selecting this option will cause the AUX output to stay active as long as the Door stays open.

iv. Close Status: Selecting this option will cause the AUX output to stay active as long as the Door stays closed.
The controller provides several diagnostic tools from within the Diagnostics Menu (Menu 8). This section details the function of each tool and its use.

Navigating To Diagnostics Menu
a. Press PREV to navigate to Menu 8 (Fig. D.1).
b. Press SET to display the menu of available functions.
c. Press PREV or NEXT to cycle through diagnostic tools.
d. Press SET to select.

Menu 8.1 Test Inputs
This tool is used to view the state of the control inputs. When selected, a screen is displayed (Fig. D.2) which indicates the state of each input. If the name of the input is in upper case or number in the bracket, then the input is active. Conversely if the input is in lower case and [---] dash in the bracket, then the input is inactive. For normal operation, all inputs should be inactive. When finished, press STOP.

Menu 8.2 Test Transmitters (Tx’ers)
This tool is used to test receiver/transmitter functionality. When selected, a screen is displayed which prompts for a transmitter button to be pressed (Fig. D.3) and whether ID or serial numbers are to be displayed.

The opener will then beep each time a transmission is received. If the transmitter button is stored in the controller memory and has a function assigned to it, a second screen will be displayed that shows the transmitter details along with the button pressed (Fig. D.4). The example shows the case where transmitter number 14 is activated by button 4. Note ID is selected for display.

Menu 8.3 Display History
The opener keeps a record of the last 64 events that have taken place. The events include the type of drive cycles executed, obstruction detection, various faults, power failures etc. When this tool is selected, the screen displays the last event that occurred (Fig. D.5). Press NEXT or PREV to view each event. The “EVENT#” field shows the sequence of the events, with (1) being the first and (64) being the last. The example shows that the last event was a close cycle which succeeded in closing the door. When finished viewing the events, press STOP to exit.

Menu 8.4 Memory Usage
This tool displays the number of transmitter store locations used and the number free (Fig. D.6):
Appendix

D - Diagnostic Tools

Menu 8.5 Service Counter
The opener provides a periodic service counter which can be set to expire after a number of drive cycles. When expired, the opener will beep three times at the beginning of each drive cycle and a message will be displayed on the MAIN SCREEN (Fig. D.7). This tool displays the current value of the service counter and allows the user to set its value using the normal parameter editing techniques (See Appendix B). If the service counter is not to be used, it can be set to the maximum number (60,000).

Menu 8.6 Event Counters
The opener keeps a count of number of times a particular event occurs. The list of event counters kept is shown below. When this tool is selected, the first event counter is shown (Fig. D.8). Press NEXT or PREV to step through the list. The example shows the OPEN CYCLE event counter with a value of 500. When finished viewing press STOP.

Menu 8.7 Install Data
1. Open Position: Shows the fully open position door counter.
2. PED Position: Shows the pedestrian position counter.
3. Open Time: Time taken for the opener to drive the door to open position.
4. Close Time: Time taken for the opener to drive the door to the close position.

Menu 8.8 Parameters
Position of the limit counter, frequency, current used by the motor, overload graph, PCB temperature and DC bus voltage are displayed under this menu. All the parameters mentioned above can also be viewed while the opener is running. By default, the current used by the motor will be displayed on the LCD screen. This can be useful to check the condition of the Door. Scroll through other parameters by pressing NEXT or PREV buttons while the Door is running.

Menu 8.9 Version Info
Firmware information for the Axess® Pro Series 3000 drive and console are shown here.

Appendix

E - Memory Tools

Menu 9.0 Memory Tools
The Memory Tools accessed from within Menu 9 are used to clear the transmitter codes from the openers memory and clear the controller’s memory. Once selected the PREV or NEXT buttons can be used to view the Memory Tool options. To execute the displayed option simply press SET.

Menu 9.1 Clear Control
This option will clear the Door control memory and reload the factory set defaults for parameters such as the lock time, light time, Auto-Close times etc. It will also clear the travel limits.

Menu 9.2 Clear Transmitters (Tx’ers)
This option will clear the transmitter storage memory.
Appendix

F - Transmitter Editing

Display Transmitter Record
Using one of the methods below, you can display the required transmitters details.

Navigating To “Edit Transmitter” Menu
a. Press NEXT to navigate to Menu 1 (Fig. F.1).
b. Press SET to enter the transmitter edit procedure.
c. Press NEXT to enter transmitter list and edit mode.

Editing Button Function Field
a. Press NEXT or PREV to move the cursor to the left or right and between the top and bottom lines to select the desired field.
b. Press OPEN or CLOSE to change the displayed value (Fig. F.2). The available functions are shown below. Selecting OFF will prevent the opener responding to that button.

Available functions
- OSC (Open/Stop/Close)
- PED (Pedestrian access)
- SWP (Swipe)
- CLS (Close)
- OPN (Open)
- STP (Stop)
- LGT (Courtesy Light)
- VAC (Vacation Mode)
- AUX (Auxiliary)
- OFF (No action)

NOTE: OSC will change to OS and CLS (Close) function is not available in the case where PE Beams are not installed.

- Press SET to save changes or press NEXT or PREV to move to the next field.
  i. The example in (Fig. F.3) shows that PED is assigned to the transmitter button two.
  ii. The transmitter in the example is transmitter number 14 which has the ID label AB Smith.

NOTE: If all button functions are set to OFF, when SET is pressed, the opener will prompt to confirm if the transmitter is to be deleted. Press SET to delete or STOP to continue editing.
Appendix

F - Transmitter Editing

Editing The Store Location
This feature is only available when coding the first button of a new transmitter.

a. Press NEXT or PREV to move the cursor over Store No. (Fig. F.4)
b. Press UP or DOWN to select new Store No.
c. Press SET to confirm or NEXT/PREV to move to the next field.

This is useful when managing transmitters using a scheme which ties the store location to the transmitter’s owner.

Selection Of ID or Serial Number Display

a. Press NEXT to navigate to Menu 1 “Code Transmitter”.
b. Press SET to enter the transmitter edit procedure.
c. Press NEXT to enter transmitter list and edit mode.
d. Press NEXT/PREV to move the cursor over the ID field.
e. Press NEXT to reveal the Serial Number (Fig. F.5).

The serial number display is provided for additional means of identification. The transmitter in this example has serial number 12345.

Editing A Character Field

a. Press NEXT or PREV to move the cursor. (Fig. F.6)
b. Press UP or DOWN to scroll through and select a new character.
c. Press NEXT or PREV to move the cursor to the next character.
d. Repeat step 2.
e. Press SET to record changes.

The second line of the display shows a list of available characters with the current value indicated at the cursor position (Fig. F.7).
G - Transmitter Management

Transmitter Listing Facility
The Axess® Pro Series 3000 provides a transmitter listing facility which enables the user to find a transmitter location within the memory. Once located a stored transmitter can be replaced, deleted, edited, copied or, if the location is empty, a new transmitter can be coded.

Method 1 - Go To The Start Of The List
Accessing The List Menu
a. Press NEXT to navigate to Menu 1 (Fig. G.1).
b. Press SET to enter the transmitter edit procedure.
c. Press NEXT to enter the transmitter list and edit mode.

Method 2 - Use The Transmitter To Go Direct To The List
Accessing The List Menu
a. Press NEXT to navigate to Menu 1 (Fig. G.1).
b. Press SET to enter the transmitter edit procedure.
c. Press the transmitter once (Fig. G.2).
d. Press NEXT to view the transmitter parameters (Fig. G.3). This method is used for quick navigation if the transmitter is available.

NOTE: “VIEW” will not be shown if the transmitter is not stored. Once the list is displayed, it can be sorted by stored number, ID Label or Serial Number. Use the NEXT or PREV buttons to select the sorting method.

NOTE: When sorting by ID label or S/N, only stored transmitters locations are displayed.

Navigating The List
a. Press the OPEN or CLOSE buttons to navigate through the list (Fig. G.4).
NOTE: Holding a button down will step through the list faster.
b. Press SET to display the menu of available functions.

Selecting An Operation
a. Press NEXT or PREV to cycle through the four menu options (Fig. G.5)
b. Press STOP to return to the list. Press SET to execute the menu’s operation.

<table>
<thead>
<tr>
<th>Menu Option</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code Operation</td>
<td>If the code operation is selected for a location that already contains a transmitter, then the storing transmitter code procedure (Section 10.1) will be initiated and the new transmitter will replace the existing one. Note the button functions and name of the existing transmitter will be transferred to the new transmitter. This procedure is of great convenience when replacing a lost transmitter.</td>
</tr>
<tr>
<td>Delete Operation</td>
<td>The delete operation is used to remove a transmitter from memory along with the name and button function settings.</td>
</tr>
<tr>
<td>Edit Operation</td>
<td>The edit operation displays the transmitter record for editing purposes. See TRANSMITTER EDIT PROCEDURE (Appendix B) for details.</td>
</tr>
<tr>
<td>Copy Operation</td>
<td>The copy operation is used to code multiple transmitters with the same button function as that of the selected transmitter. Once selected an abbreviated code set routine is initiated which repeats steps 2 &amp; 3 of the BASIC CODE TRANSMITTER PROCEDURE for each transmitter to be coded. Coding is terminated by pressing the STOP button.</td>
</tr>
<tr>
<td>Exiting The List</td>
<td>To exit the transmitter list, simply press STOP to return to the Code menu.</td>
</tr>
</tbody>
</table>

Fig G.1
Fig G.2
Fig G.3
Fig G.4
Fig G.5
Warranty and Exclusion of Liability

1. This Warranty is given by Automatic Technology (Australia) Pty Ltd (ABN 11 007 125 368) (ATA), 6-8 Fiveways Boulevard, Keysborough 3173, 1300 133 944, sales@ata-aust.com.au

2. The Competition and Consumer Act 2010 (including the Australian Consumer Law) and other relevant statutes provide a set of statutory consumer guarantees and other legal rights that cannot be excluded, restricted or modified by contract. This Warranty is in addition to and does not affect any of your rights under the Australian Consumer Law and other relevant statutes.

3. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation of any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

4. Subject to your non-excludable rights under the Australian Consumer Law, ATA expressly excludes any liability for consequential loss, incidental or indirect damages (including but not limited to damages for loss of business profits, business interruption and loss of business information) due to a defect of the Axess® Pro 3000 Series Opener (Product). In particular any loss or damage caused to other equipment or accessories used with the product or any loss resulting from a delay in repair is excluded to extent permitted by law.

5. Subject to all of the matters set out below, ATA warrants in relation to the Product that:
   a. the Product’s drive units will be free of any defects in material and workmanship for:
      ii. Axess® Pro Series 3300 Powerheads (3305/3310/3315) - at least 24 months after the date of purchase (as evidenced by the sales docket receipt) or;
      iii. Axess® Pro Series 3100 Powerheads (3105/3110) - at least 60 months after the date of purchase (as evidenced by the sales docket receipt), or 10000 cycles, whichever occurs first;
   b. the Product’s other components and accessories will be free of any defects in material and workmanship for at least 12 months after the date of purchase (as evidenced by the sales docket receipt).

6. No additional warranty will apply for Products repaired during the relevant warranty period.

7. or all Products repaired outside the warranty period, a six (6) month warranty that the Product will be free of any defects in material and workmanship will apply from the date of dispatch of the Product to you. ATA may charge you for any repairs undertaken outside the warranty period, and will provide you with a quotation in relation to any such costs for your approval before proceeding with any repairs.

8. This Warranty applies only where you:
   a. immediately notify ATA at the contact details provided in paragraph 1 above or notify the or the retailer that you purchased the Product from of the alleged defect;
   b. return the product to the retailer that you purchased the Product from;
   c. present the relevant sales docket and this Warranty document to the retailer to confirm the date of purchase.

9. Except for this Warranty, ATA gives no warranties of any kind whatsoever (whether express or implied), in relation to the product, and, subject to paragraph 1 above, all warranties of whatsoever kind relating to the product are hereby excluded.

10. This Warranty excludes damage resulting from:
   a. normal wear and tear;
   b. accidental damage;
   c. incorrect installation of the Product;
   d. blown fuses, electrical surges, power surges or power spikes;
   e. theft, fire, flood, rain, water, lightning, storms or any other acts of God;
   f. any installation, configuration or use of the Product contrary to the instructions supplied with the Product;
   g. the surface area or weight of the door used with the Product exceeding the technical specifications supplied with the Product;
   h. the door used with the Product not being in safe working order and condition;
   i. repairs which are not authorised by ATA;
   j. any failure to maintain the Product in accordance with the instructions supplied with the Product;
   k. deliberate or negligent damage to the Product;
   l. any unauthorised modification to the Product;
   m. radio interference; or
   n. acts or omissions of any person other than ATA.

11. ATA’s liability under this Warranty is limited, at ATA’s absolute option, to replacing or repairing the product which ATA, in its unfettered opinion, considers to be defective either in material and/ or workmanship or to credit the dealer with the price at which the product was purchased by the dealer.

12. This Warranty does not extend to cover labour for installation of the Product following repairs, the cost of which must be borne by you.

13. This Warranty is limited to Return-to-Base (RTB) repair and does not cover labour for on-site attendance, the cost of which must be borne by you.

14. Except as specified in this Warranty, ATA will not charge you for any repairs or replacements conducted under the Warranty. However, ATA will charge you for any repairs which are not within the scope of this Warranty (or which are not required to be undertaken free of charge pursuant to the Australian Consumer Law).

15. This Warranty is void if the Product is not returned to the manufacturer in original or suitably secure packaging.

16. This Warranty is only applicable for repairs to the product carried out within Australia.

17. This Warranty does not cover consumable items including, without limitation, globes, batteries and fuses.

18. This Warranty is not transferable.

19. This Warranty is void if a Photo Electric Beam Sensor is not fitted to the door opening.

20. Where the Product is retailed by any person other than ATA, except for the warranty set out above, such person has no authority from ATA to give any warranty or guarantee on ATA’s behalf in addition to the warranty set out above.

21. Any provision of this Warranty that is prohibited or unenforceable in any jurisdiction is ineffective as to that jurisdiction to the extent of the prohibition or unenforceability. That does not invalidate the remaining provisions of this Warranty nor affect the validity or enforceability of that provision in any other jurisdiction.

22. Products presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the Product.

NOTES:
1. One (1) cycle = one (1) open and one (1) close action of the door.
2. This Warranty is to be read in conjunction with the owner's copy of the installation instruction manual.

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