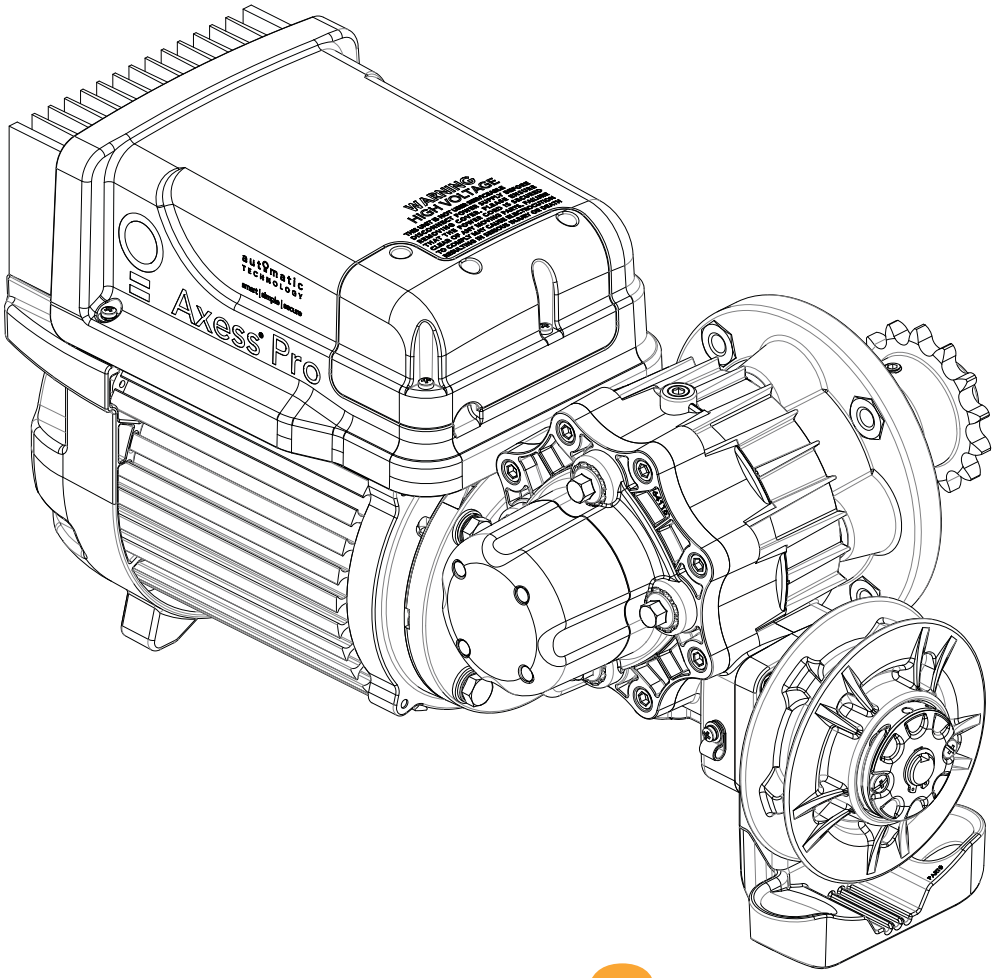
Axess® Pro Series 3000

Commercial Shutter Opener



Featuring **TrioCode™** Technology

automatic TECHNOLOGY

smart | simple | secure

Part # 92647 (Manual) V1.00

WARNING: It is vital for the safety of persons to follow all instructions. Failure to comply with the installation instructions and the safety warnings may result in serious personal injury and/or property and remote control opener damage. Please save these instructions for future reference.

NOTE: A Photo Electric Beam Sensor must be fitted with this opener. Failure to comply will void the warranty and may cause serious personal injury and/or property damage.

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 commercial shutter opener. Automatic Technology (Australia) Pty Ltd hereby further expressly excludes all or any liability for any injury, damage, cost, expense or claim whatsoever suffered by any person as a result whether directly or indirectly from failure to install the Automatic Technology (Australia) commercial shutter opener in accordance with these installation instructions.

Axess® Pro Series 3000

Commercial Shutter Door Opener

Important Safety Instructions

WARNING: It is vital for the safety of people who install, maintain or operate the door to follow all instructions. Failure to comply with the following Safety instructions may result in serious personal injury and/or property damage.

For **Safety** protection, a Photo Electric Beam **must** be fitted with this opener. Failure to comply will void the warranty and may result in serious personal injury and/or property damage.

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 driveway.

DO NOT operate the opener when children/people are near the door. Children must be supervised near the door at all times when the opener is in use. **Serious personal injury** and/or property damage can result from failure to follow this warning.

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.

DO NOT wear rings, watches, or loose clothing while installing or servicing Axess® pro series 3000 shutter opener.

The opener is not intended for use by young children or infirm persons without adequate supervision. Children should be supervised to ensure that they do not play with the transmitters or the opener.

The opener is not showerproof - it should not be immersed in water or sprayed directly by a hose or other water carrying device.

Important Safety Instructions

Please read this installation instruction manual before attempting to install, maintain or use the opener. Failure to comply with the instructions may result in serious injury and/or property damage.

Connect the power supply cord to properly earthed mains. Electrical wiring must be compliance with your local building and electrical codes.

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 commercial door professional prior to opener installation.

Remove or disengage all locks and mechanisms prior to installation of the opener.

Keep hands and loose clothing **clear** of the door and opener at all times.

When using Auto-Close mode a **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 Instructions** above must be followed.

Make sure that the door is fully open before driving into or out of the driveway. And make sure the door is fully closed before leaving the driveway.

Frequently examine the installation, in particular guides 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.

After installation a full function test of the system and safety devices must be done.

Features

Thank you for purchasing the Axess® Pro Series 3000 Commercial Shutter Opener. This opener is designed to suit commercial heavy duty Shutter doors. The components and materials used in this opener are of the latest technology and highest quality. Listed below are some of the many features.

Operation

To operate the door opener, simply activate one of the integrated controller's inputs by using TrioCode™ handheld transmitter, keypad or other devices including key switches, swipe cards, and loop detectors. In response, the door will then open, stop or close as requested. The opener can also be configured to close automatically using one of several Auto-Close modes.

Operator Console

Incorporated into the integrated controller is a simple to use operator console which consists of several buttons and a display. The console offers a user friendly menu system that greatly simplifies installation, adjustment and status indication. Features include editing transmitter storage and names, setting various parameters, selecting specialised operating modes and performing system diagnostics.

Status Indication

The status of the door opener can be determined at anytime by observing the console's screen. When the MAIN SCREEN is displayed, the current position of the door or the result of the last movement can be found. The display will also show the count down progress of the Auto-Close timers. Any active input will also be displayed along with the state of various features such as periodic service.

TrioCode™ Code Hopping Technology

Every time a TrioCode™ transmitter is used, a new security code is randomly generated from over 4.29 billion possibilities. This greatly enhances the security of the system and makes "code grabbing" a thing of the past.

These transmitters also overcome interference issues by simultaneously sending a signal over three slightly different frequencies. Even if two of the three signals are jammed, the system will still work.

Security Code Store

The opener uses state of the art technology in storing your selected transmitter codes. Up to 511 different transmitters can be stored in the opener's memory with the facility to assign a 11 character name to each transmitter.

Remote Limits Positioning

During installation, a hand held transmitter can be used when setting the door travel limits. This allows the installer to closely observe and control the movement of the door from any position rather than having to be within arms reach of the console.

Controlling Lights

The Auxiliary output can be programmed to operate a light relay module. The light relay module can control the warning or courtesy light. The timing of these outputs can be adjusted to suit your needs.

Extensive Operating Modes Via Control Inputs And Remote Control

The integrated controller can be configured to operate in many different ways via its 7 control and safety inputs. These include P.E, FIRE, GPI, OPEN, STOP, CLOSE, and SWIPE. Remote control operation is provided with each transmitter's button being able to be configured to operate one of OSC, PEDESTRIAN, SWIPE, CLOSE, OPEN, STOP, LIGHT or VACATION functions. The controllers functionality is further enhanced by 4 Auto-Close modes, 3 P.E response modes and 2 pedestrian response modes. For details refer to relevant sections.

Automatic Manual Operation Clutch

The opener is equipped with automatic clutch. If power to the opener is disrupted for any reason, the User can open or close the door manually by using the hand chain. When power is restored, simply press the button on the console or press button on the transmitter to open or close the door.

Package Contents

Axess 3110v1 Power Drive Unit	1
Timing Assembly	1
Wall Control Unit	1
Network Cable	1
Output Drive Shaft Assembly	1
Chain 10B (0.625")	1
Sprocket 14x0.625 assembly	1
Mounting Flange	1
Ax30 Fasterner Pack	1
TrioCode™ Keyring Transmitters	2
Installation Manual	1
EasyBeam™ with wires and brackets	1

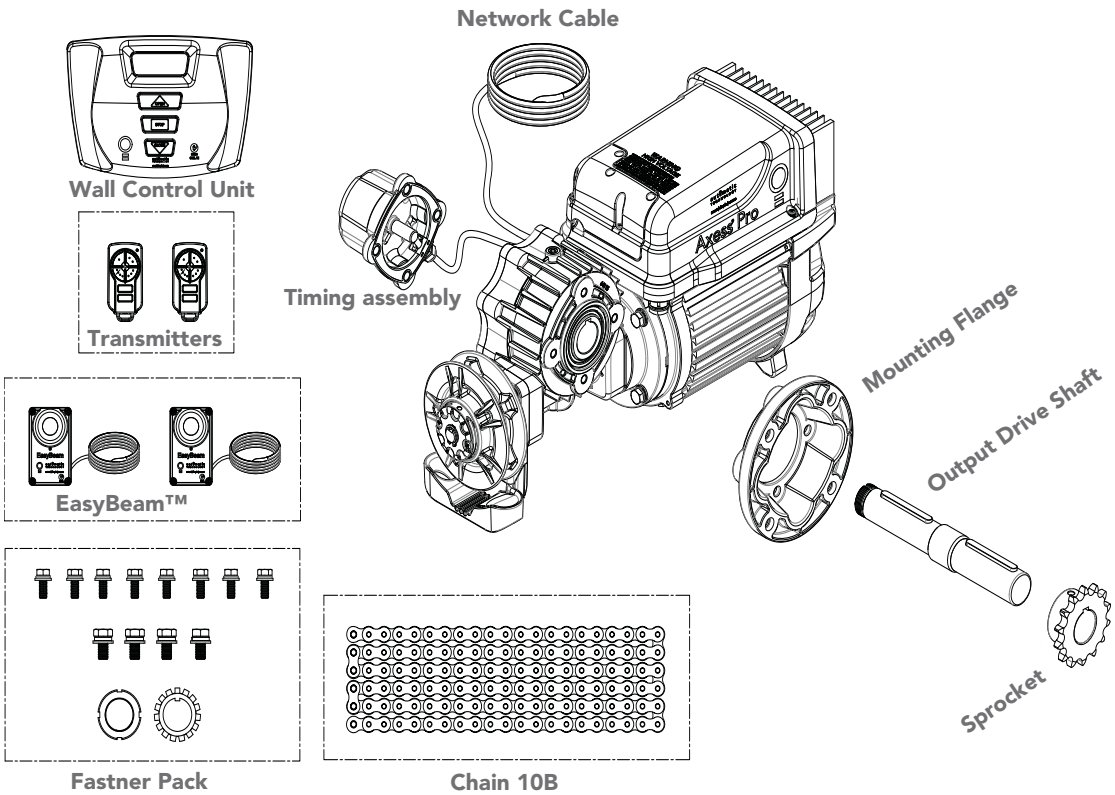
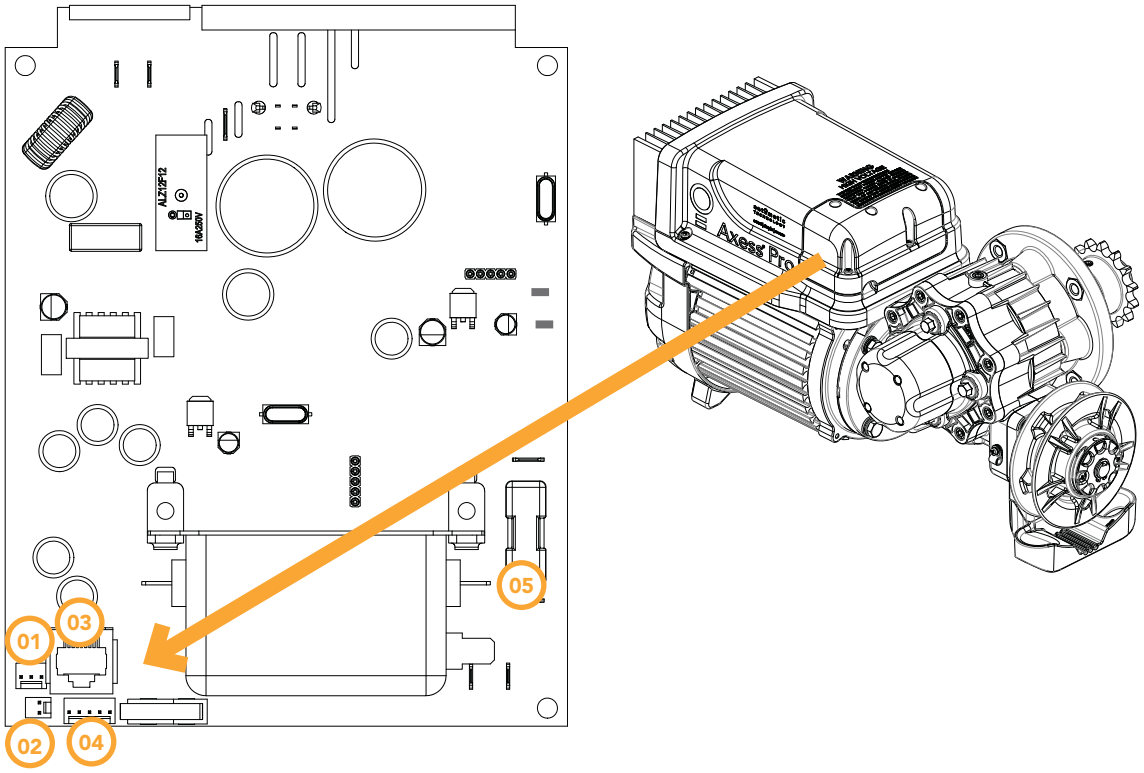


fig 01

Controller Input And Outputs

fig 02



01 Motor identification harness connector

02 cluch interlock microswitch connector

03 Serial Interface Connector

04 Position Sensor Connector

05 10 Amps Slow Blow FuseStandby Battery

Operating Controls

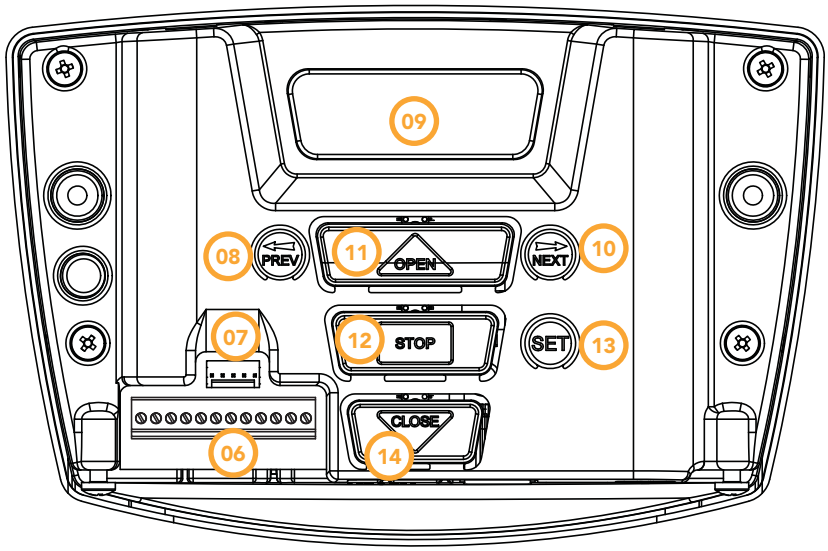


fig 03

06 **Terminal Block (From Left To Right)**

V+ Three Wire PE Beams " + " Supply

IN3 Three Wire PE Beams Trigger Input

V- Common For Two Wire EasyBeam™ and Three Wire PE Beams

IN2 Two Wire EasyBeam™ Input

AUX OUT Receiver's Auxiliary Output

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

SWP N/O Input Terminal

COM Terminal For Inputs

07 **Programmer PG-3 Input**

08 **Console Previous Button**

09 **Liquid Crystal Display**

10 **Console Next Button**

11 **Console Open Button**

12 **Console Stop Button**

13 **Console Set Button**

14 **Console Close Button**

Before Drive Unit Installation

The Axess® Pro Series 3100 Roller Shutter Door Opener is designed to operate most commercial heavy duty roller shutter doors. The door must be in good working condition and travel freely in the guides.

Step 1 - Initial Check

Before commencing installation check the following:

1. The door moves freely for the full travel in both directions.
2. The mounting must be solid construction (concrete, brick or steel). It must be able to withstand the full force applied to the door.
3. There is a 240V 10 Amp power point located within one metre of the drive unit.
4. EasyBeam™ must be installed. They should be located as close to the door as practicable.

Selecting the installation location

When selecting the installation location consider the following:

- Minimum distance between the door drum and mounting plate needs to be 15mm and not more than 100mm.
- Minimum distance between the drive unit and the imposing structure 10mm.
- The overhead clearance needs to be at least 150mm.

Step 2 - Drive Unit Pre-assembly

The opener can be installed on either the right- or left hand side of the door (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 explained below. for LEFT-HAND side just assemble the parts from the other end.

1. Determine on which side of the door the opener is to be mounted.
2. Insert the output drive shaft into the gearbox and fix it with lock washer and lock nut **(Fig. 04)**. After tighten the lock nut lock it by bending one tooth of the lock washer into the slot on the lock nut **(Fig. 05)**.
3. Line up the shaft of the timing assembly with the keyway onto back of the drive shaft. Push and secure the timing assembly with screws ensuring the groumet is toward the motor **(Fig. 06)**.
4. Assemble the mounting flange with four M8x20 screws to the opener **(Fig. 07)**

NOTE: the drive unit is not designed to mount upside down.

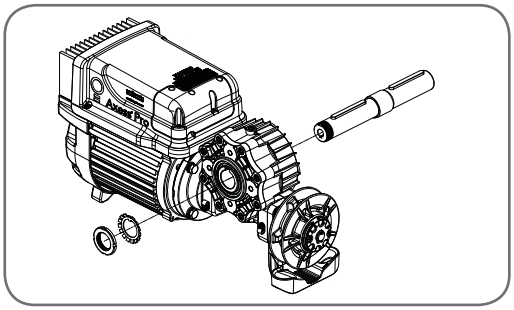


fig 04

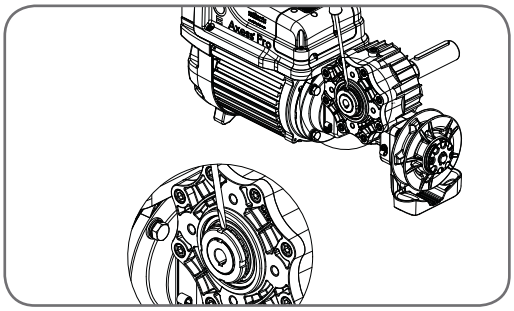


fig 05

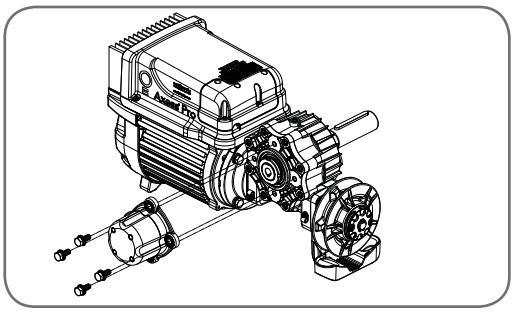


fig 06

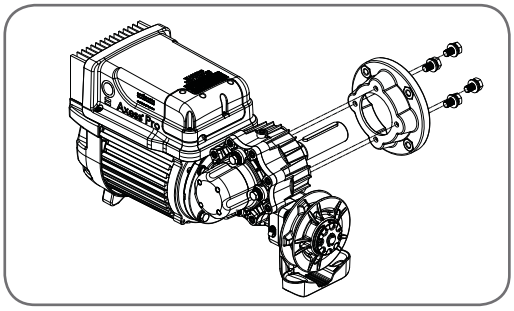


fig 07

Installation

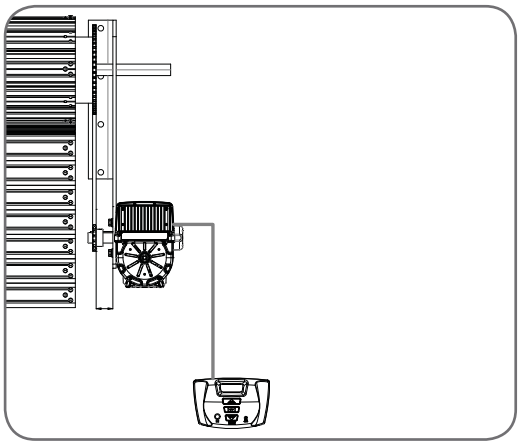


fig 08

Step 3 - 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 door axle.

1. Position opener and secure with four M12x30 screws.
2. Mount drive sprocket on shaft in line with door drive gear. Tighten the grub screw on the sprocket with M4 hex key.
3. Shorten drive chain as required and fit around drive gears.
4. Feed manual chain through guide and over the clutch pulley.
5. Shorten chain as required and fix ends to make a loop.

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

Step 4 - Installing The Wall Control Unit

a. Remove the main cover.
b. Affix the wall control unit at a height of 1.5 metres within sight of the door. Make sure that the position of the wall control unit is out of reach of children and convenient to the customer **(Fig. 08)**.
c. Replace the main cover.

WARNING! Do not turn the power on to the opener before connecting the wall control unit.

WARNING! Ensure that communication cable is affixed properly and away from the moving parts of the door and opener.

NOTE: 5 metre communication cable is supplied with the opener.

EasyBeam™ Installation

Step 5 - Photo Electric (PE) Beams

A photo electric EasyBeam™ extends across the shutter door opening. The EasyBeam™ is designed to detect an obstruction while the shutter door is closing and to send a signal to the shutter door opener to reverse or stop the door movement.

Step 5.1 - Fitting the EasyBeam™

a. Attach the mounting bracket (4) to the adjustment bracket (3) with the pan head screw (6) (supplied). **(Fig. 09)**
b. Attach the bracket (2) to the EasyBeam™ transmitter with four taptite screws (m3x5) and attach the other side to the adjustment bracket (3) with the pan head screw (6) . **(Fig. 10)**
c. Repeat steps a and b to assemble the EasyBeam™ receiver.

Locate the Photo Electric (PE) Beams 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. Connect as per the wiring diagram **(Fig. 11)**.

Step 5.2 - Alignment

a. Power up the Axess® Pro 3000 series shutter opener with the EasyBeam™ 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.

NOTE: The height of the beam installation must be chosen in such a manner that it suits the application, the environmental conditions and provides maximum safety protection.

WARNING: Install the PE Beams as per diagram in (Fig. 11). Tampering with the PE Beams could result in serious personal injury and/or property damage and will void the warranty.

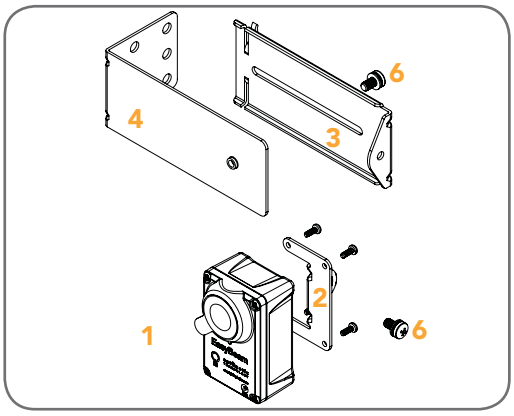


fig 09

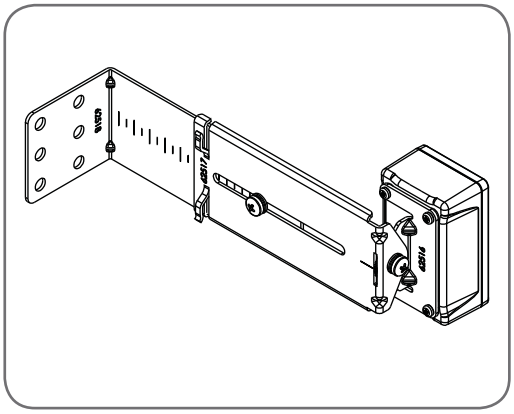


fig 10

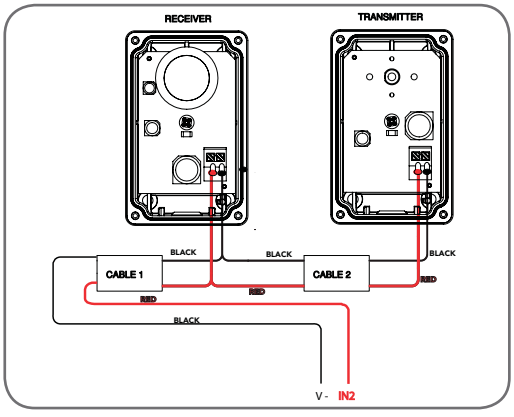
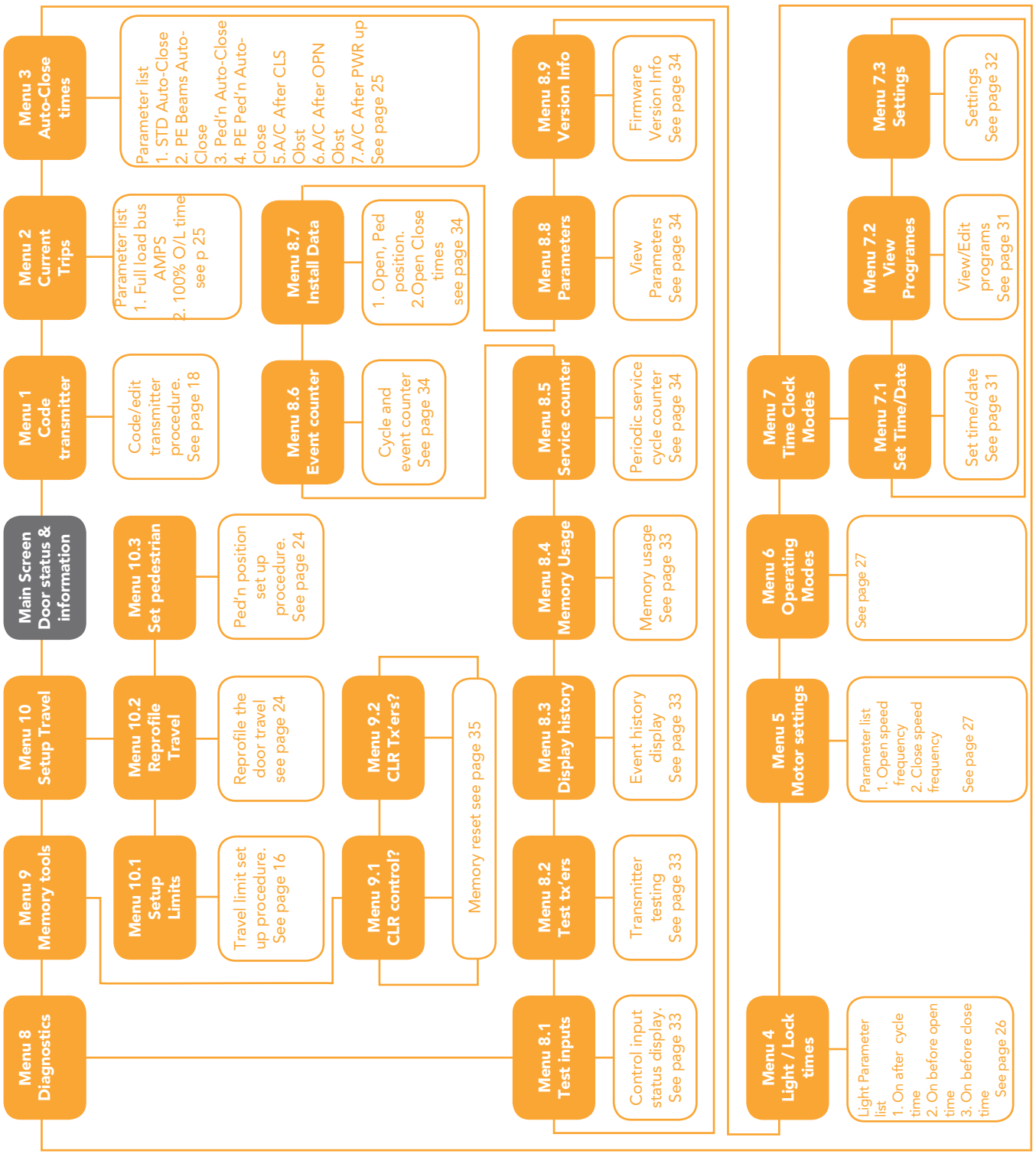


fig 11

Programming The Opener

Menu structure



NOTES

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

Viewing and Editing Parameters

This section illustrates how to locate, view and adjust parameters.

Locating parameters

Refer to MENU STRUCTURE on Page 15 or the preceding section for CONTROL BOARD ADJUSTMENTS. Locate the required parameter and note the MENU number. The example used in **(Fig. 12)** menu 2.2 displays "100% O/L Time"

Changing Setting

1. Press NEXT/PREV to navigate to the required menu.
2. Press SET to show the sub-menu.
3. Press NEXT/PREV to go to the required sub-menu.
4. Press OPEN/CLOSE to change parameter setting. Holding the button down causes the parameter's value to change rapidly. The longer the button is held the faster the value changes.
5. Press SET to SAVE setting.

Reload Default Setting

1. Press NEXT/PREV buttons to display LOAD DEFAULT screen.
2. 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.

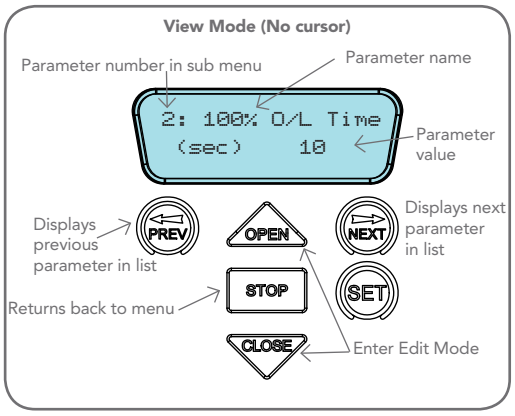


fig 12

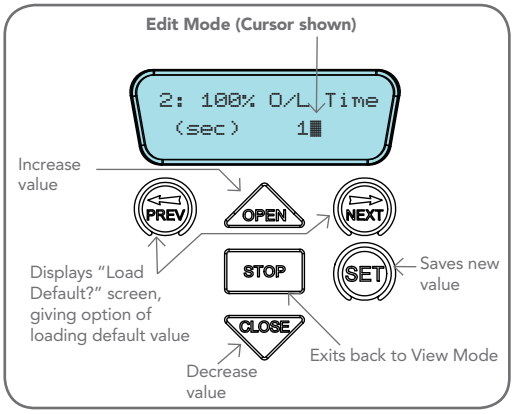


fig 13

Setting Limits

fig 14

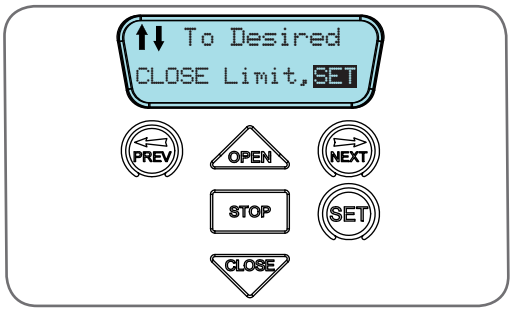
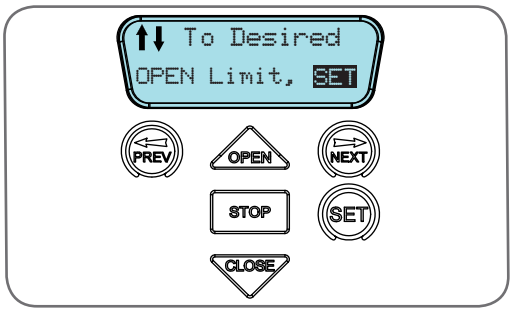


fig 15



Step 6.1 - Setting Travel Limits

a. Secure the engage/disengage handle and string with the accessory supplied in such a manner so that the string is away from the moving parts.

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

c. After a short delay the MAIN SCREEN **(Fig. 14)** will be displayed. If this is the first time the Axess pro series 3000 shutter opener 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.
   - » 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.
   - » If the door overshoots press the OPEN button to move the door in the open direction.

e. When the door is at the desired close position, press the SET button to record the close limit position. The display will change and green open LED will start to flash **(Fig. 15)**.

f. Press and hold the OPEN button to open the door. When the door is at the desired open position, release the OPEN button
   - » 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.

g. 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 wall control unit or from the transmitter. Otherwise, the controller will be loaded with "Safety Close Mode." (Page 29)

Setting Limits: Via Transmitter

Axess® Pro 3000 series shutter opener has the alternate ability to set travel limits using the transmitter, allowing free movement around the installation site to better assess the desired limit positions. In order to use a transmitter, it must first have at least one of its buttons coded to the door controller. The function assigned to the transmitter's buttons is of no concern here as the buttons are temporally assigned to OPEN, CLOSE and SET **(Fig. 17)**.

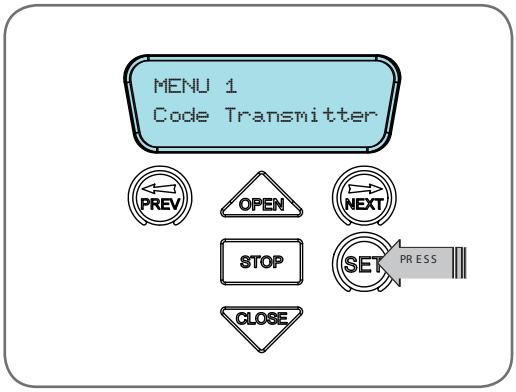


fig 16

Step 7 - Code A Transmitter For Limit Setting

Step 7.1 - Navigating to "code transmitter" menu

1. Press NEXT to navigate to Menu 1.
2. Press SET to enter the code set procedure **(Fig. 16)**.

Step 7.2 - Storing Transmitter Code

1. Controller will prompt to press one of the transmitter's button.
2. Press the transmitter button you wish to use to operate the door opener (e.g. button 1) .
3. Press the same transmitter button again as prompted by display.
4. Press the set button to store the transmitter.

Step 7.3 - Navigating To "Set Door Travel Menu"

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

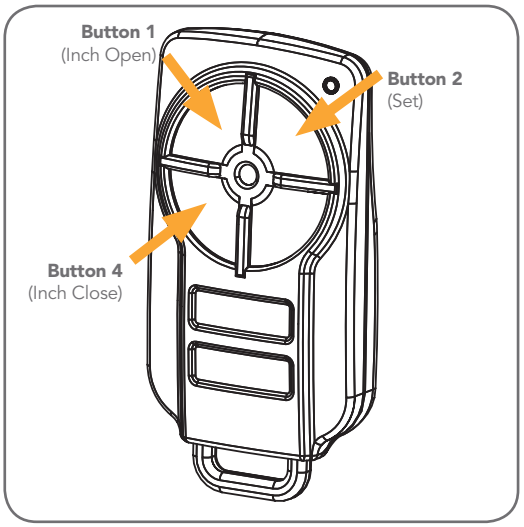


fig 17

Setting Limits Via Transmitter

Press and hold Button 4 on the transmitter to close the door.

» If the door opens, release button 4 and press the stop button once on the wall control unit to change the direction of the motor. Then press and hold Button 4 on the transmitter to close the door.

» If the door is closed too far, press Button 1 to "inch" the door towards open.

When happy with the close limit position, press Button 2 to store this in the memory. The open green LED will starts to flash.

Press Button 1 to open the door.

» If the door is opened too far, press Button 4 to "inch" the door towards close

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

When 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. After this, if PE Beams are installed, then the opener can be operated with the OPEN or CLOSE button on the wall control unit or from the transmitter. Otherwise, the controller will be loaded with "Safety Close Mode". (Page 29)

Coding Transmitter

fig 18

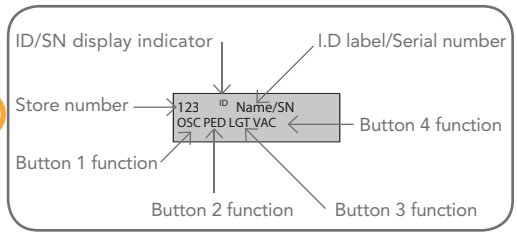


fig 19

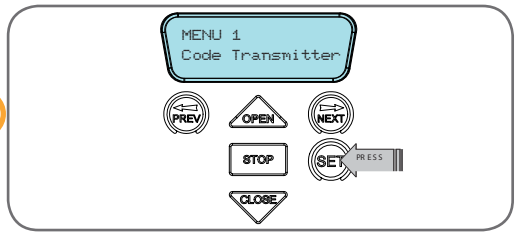


fig 20

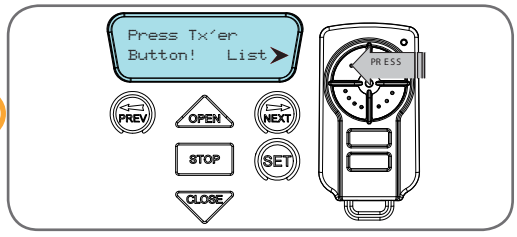


fig 21

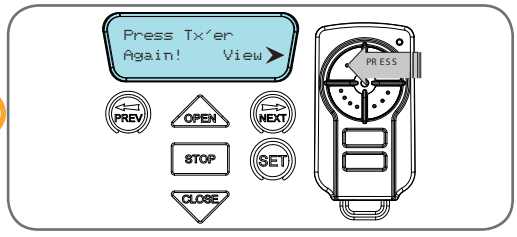


fig 22

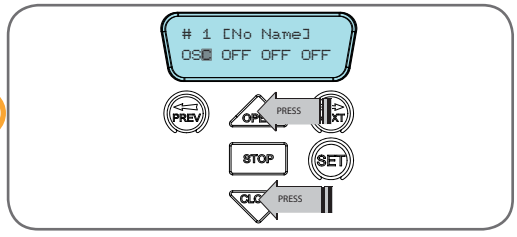
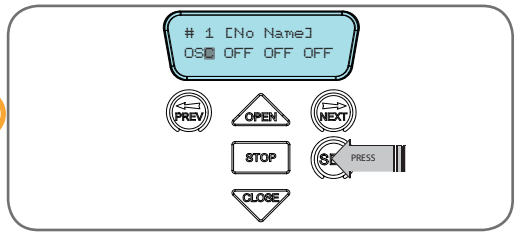


fig 23



Axess® pro series 3000 shutter door opener can store up to five hundred and eleven (511) transmitters in its memory. Each transmitter can be allocated an alpha-numeric ID label up to eleven (11) characters in length and each button can be assigned to one of several control functions. The settings for a transmitter are represented in **Fig. 18**. It shows the transmitter's store number, ID label or serial number and the functions assigned to each of its 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.

Step 8 - Coding Transmitter Button

Navigating To Menu 1 "Code Transmitter"

1. Press NEXT to navigate to Menu 1 **(Fig. 19)**.
2. Press SET to enter the code set procedure.

Storing Transmitter Code

1. The controller will prompt to press one of the transmitter's buttons.
2. Press the transmitter button you wish to use to operate the Door Opener (e.g. button 1) **(Fig. 20)** .
3. Press the same transmitter button again as prompted by the display **(Fig. 21)**.

Selecting Function Of The Button

The controller will now show the transmitter's record, with a cursor on the field for the button being coded **(Fig. 22)**. 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 will change to OS in the case where PE Beams are not installed.

Press SET to save the settings or STOP to abort without saving **(Fig. 23)**.

Returning To Main Screen

The "Code Transmitter" menu will now be shown. Press STOP to return to the MAIN SCREEN and test the transmitter.

NOTE: To edit the other settings, refer to TRANSMITTER EDIT PROCEDURE.

Editing Transmitter Settings

Display Transmitter Record

Using one of the methods below, display the required transmitters details.

Navigating To "Edit Transmitter" Menu

1. Press NEXT to navigate to Menu 1 **(Fig. 24)** .
2. Press SET to enter the transmitter edit procedure.
3. Press NEXT to enter transmitter list and edit mode.

Editing Button Function Field

1. 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.
2. Press OPEN or CLOSE to change the displayed value **(Fig. 25)**. 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 in the case where PE Beams are not installed.

3. Press SET to save changes or press NEXT or PREV to move to the next field. The example in **(Fig. 26)** shows that PED is assigned to the transmitter button 2. 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.

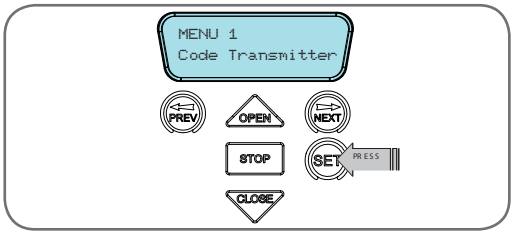


fig 24

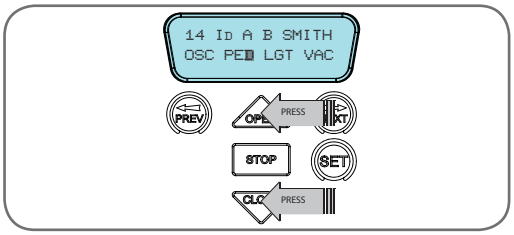


fig 25

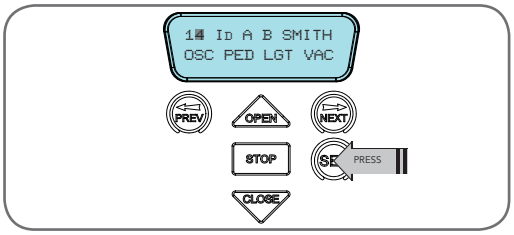


fig 26

Transmitter Editing (cont.)

fig 27

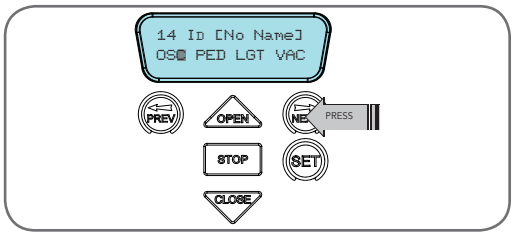


fig 28

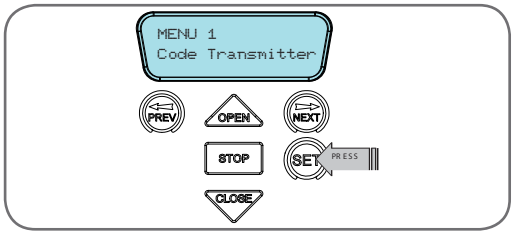


fig 29

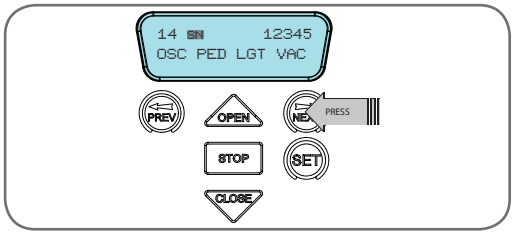


fig 30

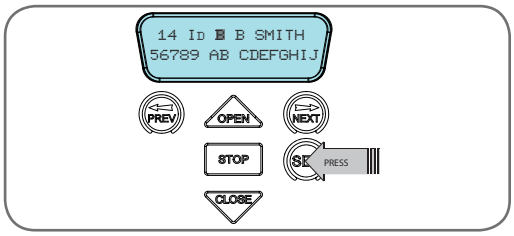
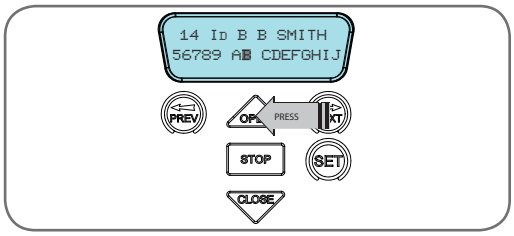


fig 31



Editing The Store Location

This feature is only available when coding the first button of a new transmitter.

1. Press NEXT or PREV to move the cursor over Store No. **(Fig. 27)**
2. Press UP or DOWN to select new Store No.
3. 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

1. Press NEXT to navigate to the Menu 1 "Code Transmitter" **(Fig. 28)**.
2. Press SET to enter the transmitter edit procedure.
3. Press NEXT to enter transmitter list and edit mode.

4. Press NEXT/PREV to move the cursor over the ID field.
5. Press NEXT to reveal the Serial Number **(Fig. 29)**.

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

Editing A Character Field

1. Press NEXT or PREV to move select character. **(Fig. 30)**
2. Press UP or DOWN to scroll through and select a new character.
3. Press NEXT or PREV to move to the next character.
4. Repeat step 2.
5. 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. 31)**.

Transmitter Management

Axess® Pro 3000 series shutter opener 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

Step 1 - Accessing The List Menu

1. Press NEXT to navigate to Menu 1 **(Fig. 32)**.
2. Press SET to enter the transmitter edit procedure.
3. Press NEXT to enter the transmitter list and edit mode.

Method 2 - Use The Transmitter To Go Direct To The List

Step 2 - Accessing The List Menu

1. Press NEXT to navigate to Menu 1 **(Fig. 32)**.
2. Press SET to enter the transmitter edit procedure.
3. Press the transmitter once **(Fig. 33)**.
4. Press NEXT to view the transmitter parameters **(Fig. 34)**. 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.

Step 3 - Navigating The List

1. Press the OPEN or CLOSE buttons to navigate through the list **(Fig. 35)**.

NOTE: Holding a button down will step through the list faster.

2. Press SET to display the menu of available functions.

Selecting An Operation

Press NEXT or PREV to cycle through the four menu options **(Fig. 36-39)**. Press STOP to return to the list. Press SET to execute the menu's operation.

Code Operation (location empty)

If the code operation is selected on an empty transmitter location, the BASIC CODE TRANSMITTER PROCEDURE will be initiated with the transmitter being saved in the selected location. This is useful when managing transmitters using a scheme which ties the store location to the transmitter's owner.

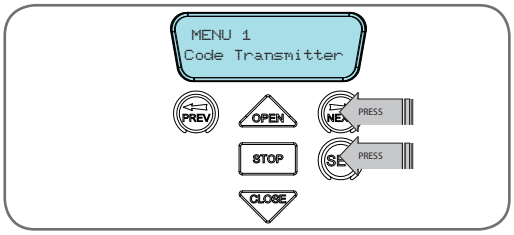


fig 32

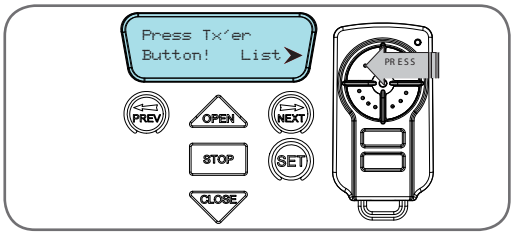


fig 33

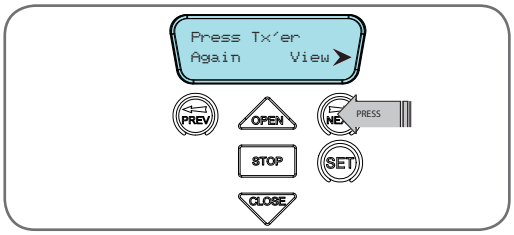


fig 34

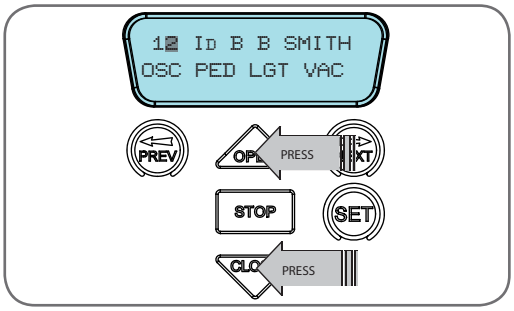


fig 35

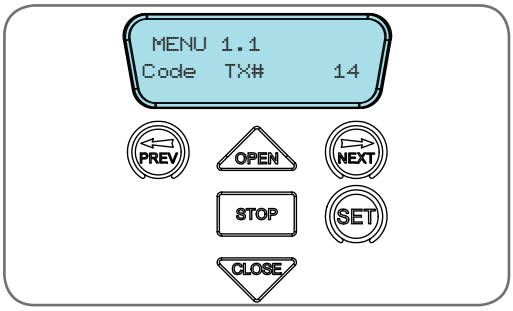


fig 36

Transmitter Management

fig 37

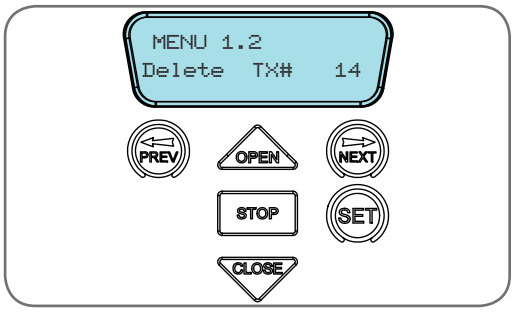


fig 38

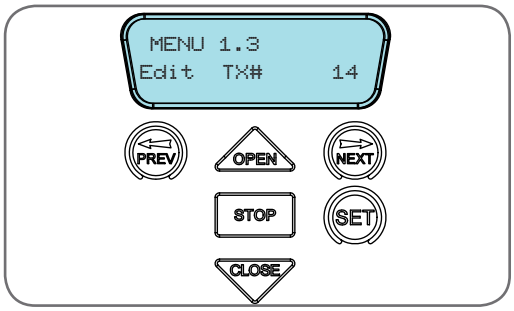
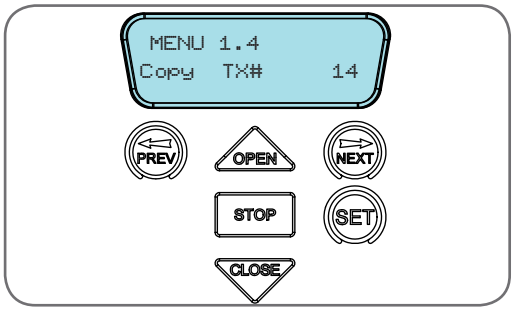


fig 39



Code Operation (location used)

If the code operation is selected for a location that already contains a transmitter, then the BASIC CODE TRANSMITTER PROCEDURE will be initiated and the new transmitter will replace the existing one. Note that 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.

Delete Operation

The delete operation is used to remove a transmitter from memory along with the name and button function settings.

Edit Operation

The edit operation displays the transmitter record for editing purposes. See TRANSMITTER EDIT PROCEDURE for details.

Copy Operation

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 & 3 of the BASIC CODE TRANSMITTER PROCEDURE for each transmitter to be coded. Coding is terminated by pressing the STOP button.

Exiting The List

To exit the transmitter list, simply press STOP to return to the Code menu.

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 control panel.

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

Step 9.1 - Selecting The Function To Be Coded

Using the existing transmitter, operate the door with the transmitter button which has the function to be coded **(Fig. 40)** (e.g. Button 1 has been coded with the OSC function assigned).

Step 9.2 - Wait For Door To Complete Cycle

If the button's function activates the door (PED, SWP, OSC, CLS, STP or OPN) wait for the door to complete its cycle.

Step 9.3 - Activate Remote Code Set Mode

Use a small pin to press and hold through the Coding Hole of the existing transmitter for 2 seconds **(Fig. 41)**.

Step 9.4 - Code New Transmitter Button

Within 10 seconds, press the button on the new transmitter you wish to code for 2 seconds **(Fig. 42)**.

Step 9.5 - Confirm The Transmitter Button To Be Coded

Press the same button again (within 10 seconds) for confirmation.

Step 9.6 - 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.

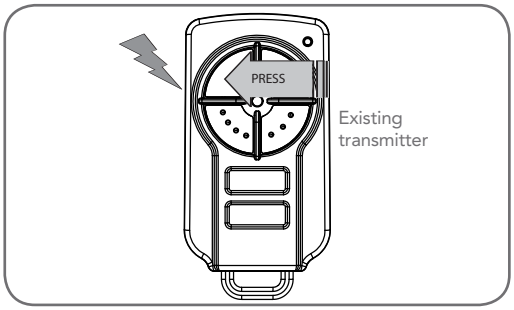


fig 40

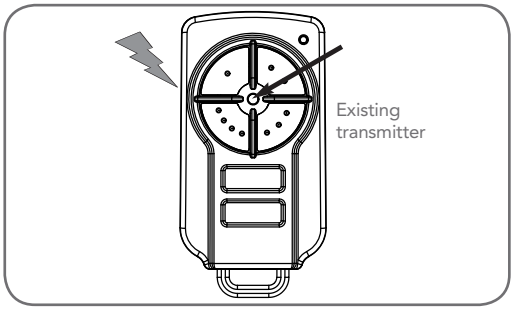


fig 41

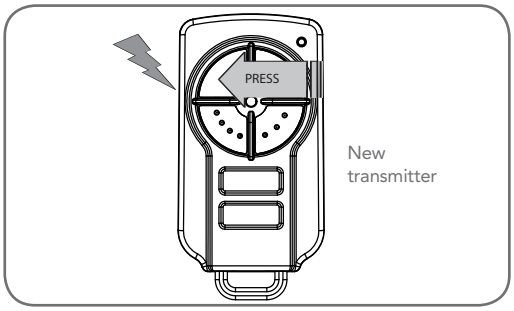


fig 42

Setting Pedestrian Position

fig 43

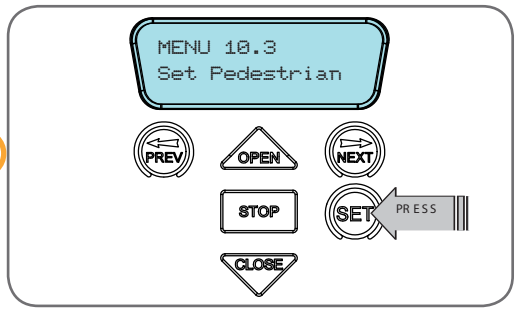
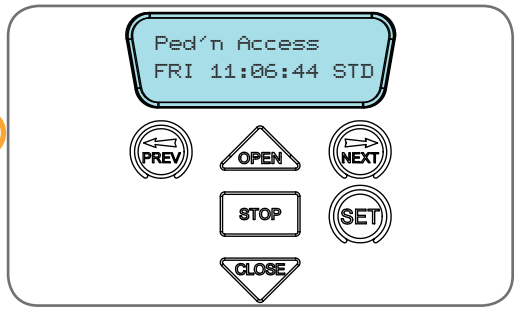


fig 44



Pedestrian Access 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.

Step 10.1 - Setting Pedestrian Position

1. Drive and stop the door at the desired Pedestrian Access position by using a transmitter or wall control unit.
2. Press PREV to navigate to Menu 10.
3. Press SET. MENU 10.1 will be displayed.
4. Press NEXT to go to MENU 10.3
5. Press SET on the wall control unit to save the Pedestrian Access position **(Fig. 43)**.
6. Press the STOP button to exit to the main screen.

Step 10.2 - 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. 44)**. 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.

Errors During Setting Of Travel Limits And Pedestrian Position

During the above procedure many error checks are preformed. If an error is detected, a message will be displayed indicating the error.

Reprofile The Door Travel

To Recalculate travel times

Reprofiling 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. To initiate a re-profile, simply locate "MENU 10.2 Reprofile Travel", 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.

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 on Page 16 to make changes.

Menu 2.0 Current Trips

Motor overload detection is provided to protect the door and the opener. The motor is designed to run with full load current. With the default values The opener will run with 7.4 Amps for 10 seconds before going into overload.

Parameter	Min	Max	Default	Step	Unit	Menu No.
Full Load Bus Amps	0.0	3.7	3.7	1	Amps	2.1
100% Overload Time	0	30	10	1	Sec	2.2

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. Automatic Technology strongly recommend using a PE Beam for added safety.

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: the P.E, 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.

P.E triggered Auto-Close
This mode is selected by entering a non-zero time for the **"P.E Auto-Close"** parameter. This mode is used to Auto-Close the door but only after a vehicle has passed through the doorway and triggered the P.E input. The swipe input can be used to clear the P.E triggered status so that the P.E input must be activated again before the countdown will start. As with the other P.E modes the STP input will abort countdown and the OPN and SWP inputs will restart the countdown if the door is OPEN.

Pedestrian access 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.

P.E triggered pedestrian Auto-Close
This mode is selected by entering a non-zero time for the **"P.E Ped'n A/C"** parameter. This mode is the same as the P.E triggered Auto-Close mode but it only operates during pedestrian access. As the SWP input is not available during pedestrian access, the PED input can be configured to act in a SWP mode by setting the **"PED I/P = PED SWIPE MODE"** parameter to **ON.**

Auto-Close after obstruction
Two parameters are provided to enable the Auto-Close feature to be activated after obstructions. Normally the Auto-Close feature is not enabled after obstructions for safety reasons. A P.E beam must be used for these features to be activated.

Parameter	Min	Max	Default	Step	Unit	Menu No.
STD AUTO-CLOSE TIME Sets and enables the standard Auto-Close time.	0.0	300.0	0.0	1.0	Sec	3
P.E AUTO-CLOSE TIME Sets and enables the P.E triggered Auto-Close time.	0.0	60.0	0.0	1.0	Sec	3
PEDESTRIAN AUTO-CLOSE TIME Sets and enables the Pedestrian Auto-Close time.	0.0	60.0	0.0	1.0	Sec	3
P.E PEDESTRIAN AUTO-CLOSE TIME Sets and enables the PE Pedestrian Auto-Close time.	0.0	60.0	0.0	1.0	Sec	3
AUTO-CLOSE AFTER CLOSE OBSTRUCTION Enables Auto-Close feature after close obstructions	Off	On	Off			3
AUTO-CLOSE AFTER OPEN OBSTRUCTION Enables Auto-Close feature after open obstructions	Off	On	Off			3

PE Beams Triggered, Directional Auto-Close

This mode is selected by entering a non-zero time for the "**P.E. Auto-Close**" parameter. A second P.E 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 has passed through the doorway to exit the premises . The 2nd PE (OPN) input must be active when the PE input is activated in order for a P.E triggered Auto-Close to be activated.
This mode is useful for fire brigade, ambulance stations etc.

Menu 4. Light Times

With the addition of a relay module connected to AUX OUT and V+ terminal on the control board, a light can be controlled. It automatically turn off one (1) minute after the cycle has finished. The light timer is adjustable. The light can also be activated and deactivated by pressing a transmitter button assigned the LGT function.

Parameter	Min	Max	Default	Step	Unit	Menu No.
ON AFTER CYCLE LIGHT TIME Time light remains on for after a cycle	0	255	60	1	Sec	5
ON BEFORE OPEN CYCLE LIGHT TIME Minimum time light is activated for prior to opening	0	25.5	0	0.1	Sec	5
ON BEFORE CLOSE CYCLE LIGHT TIME Minimum time light is activated for prior to closing	0	25.5	0	0.1	Sec	5

Menu 5. Motor Settings

Motor Speed

The speed of the motors run at is controlled by the OPEN AND CLOSE SPEED FREQUENCY parameter. The default value is the maximum recommended for normal operation. If however the door moves too quickly or slowly for a particular installation, the frequency can be reduced or increased to make the motors run slower or faster. **NOTE: Altering these parameters will cause the travel limits to be cleared.**

Parameter	Min	Max	Default	Step	Unit	Menu No.
OPEN SPEED FREQUENCY Sets the speed of the motor	15	75	50	1	HZ	5.1
CLOSE SPEED FREQUENCY Sets the speed of the motor	15	75	50	1	HZ	5.2

Motor Speed Control - SOFT START/SOFT STOP

The motor's speed is microprocessor controlled, ramping up speed as the door starts to move, and ramping down as it approaches the travel limits to provide a gentle stop.

Menu 6. Operating Modes

Menu 6.1 Safety Close Mode

By enabling this parameter, the user can close the door only by holding the close button on the wall control unit or by holding the CLS input active. The door can not be closed by Auto-Close or by transmitters. If the PE Beams are not installed, the controller will be loaded with Safety Close Mode and the following message will be displayed:

ATTENTION! "SAFETY CLOSE MODE has been enabled as no P.E beam has been installed! This means that the door can only be closed by HOLDING the 'CLS input' or 'CLOSE button'. All other means of closing the door are disabled. Press SET to continue. "

Menu 6.2 PE Beams Input Response Mode

The PE Beams input can be configured to respond in one of three modes.

Reverses Close Cycles

In this mode, the PE Beams input has no effect when opening but will cause the door to reverse if activated when closing.

Close Cycles Stop

In this mode, the PE Beams input has no effect when opening but will stop the door when closing.

Open and Close Cycles Stop

In this mode, all cycles are prevented from being completed or initiated when the PE Beams input is active.

Menu 6.3 PE Beams Obstruction Reverse Time Mode

Normally after a PE Beams obstruction the door will fully open to its open position. After a PE Beam Close obstruction, the doors open cycle can be reduced from 5 sec to its full open position.

Menu 6.4 PE Beams Type

Axess® Pro Series 3000 shutter opener supports EasyBeam™ or three wire beams.

Menu 6.5 GPI Input

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

When GPI Selected As OSC:

Control Board Adjustments

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.

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.

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 day light saving time.

Menu 6.6 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 PE Beams Triggered Pedestrian Auto-Close function.

Menu 6.7 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 6.8 Open Input As A Second PE Beams Input
Selecting this parameter will allow the OPN input to be used as a second PE Beams input. When the OPN input is active, the door is prevented from being closed. If the OPN input is triggered while the door is closing, the controller will stop the motor and then open the door. The OPN input has no effect while the door is opening. The second PE Beams (OPN) input must be active when the PE Beams input is activated in order for PE Beams Triggered Auto-Close to be activated.

Menu 6.9 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 6.10 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 6.11 FIRE Input Configuration
Fire input can be configuration as OPN ,CLS (available only if PE Beams are installed) or PED function. Activated by FIRE input terminal with N/O or N/C (if selected) switch.

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

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.

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.

6.12 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.

Control Board Adjustments

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

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

6.15 Vacation Mode
Vacation Mode blocks all but one designated remote control transmitter from activating the Axess® Pro series 3000 shutter opener. 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 secs). 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.

6.16 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.

6.17 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.

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

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

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

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

Light Drive
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.

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

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

Close Status
Selecting this option will cause the AUX output to stay active as long as the door stays closed.

Control Board Adjustments

Parameter	Min	Max	Default	Step	Unit	Menu No.
Safety Close Mode	OFF	On	On			6.1
PE Beams INPUT RESPONSE MODE Sets the P.E 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		CLS to reverse			6.2
PE REVERSE TIME	5	FULL	FULL	1	Sec	6.3
PE TYPE EasyBeam™ or three wire supported	EasyBeam™	3 WIRE	EasyBeam™			6.4
GPI INPUT MODE configure the GPI input. Options are OSC, PED and DAY LIGHT SAVING	OSC, PED, DST		OSC			6.5
PED INPUT = SWIPE MODE Selects PED input functions as pedestrian access swipe input	Off	On	Off			6.6
OPN INPUT N/C OPERATION Selects operating polarity of OPN input	Off	On	Off			6.7
OPN I/P = 2ND PE BEAMS OPERATION Configure OPN input to take 2ND PE BEAMS	Off	On	Off			6.8
STP INPUT N/C OPERATION Selects operating polarity of STP input	Off	On	Off			6.9
FIRE INPUT N/C OPERATION Selects operating polarity of FIRE input	Off	On	Off			6.10
FIRE INPUT MODE configure the fire input. Options are OPN, CLS and PED	OPN, CLS, PED		OPN			6.11
REMOTE CODE ENABLED Selects remote transmitter coding function	Off	On	On			6.12
ACTIVITY REPORTS Select report to be output	Off	255	Off	1		6.13
ACTIVITY REPORT ID Selects ID for controller, sent with activity report	0	65535	0	1		6.14
VACATION MODE Selects Vacation Mode - disables remote control	Off	On	Off			6.15
PASSWORD Selects password protection for all changes	Off	On	Off			6.16
Transmitter Grouping	Off	On	Off			6.17
Fault Auto Reset Selects Fault Auto Reset	Off	On	Off			6.18
LED Low Power Mode Selects saving the power by turning LEDs Off	Off	On	Off			6.19
Console OSC Buttons Selects to lock out the console buttons	Off	On	On			6.20
AUX OUT O/P can be activated by either LIGHT DRIVE ,CLOCK/TXER ,OPEN or CLOSE status			LIGHT DRIVE			6.21

Time Clock

fig 45

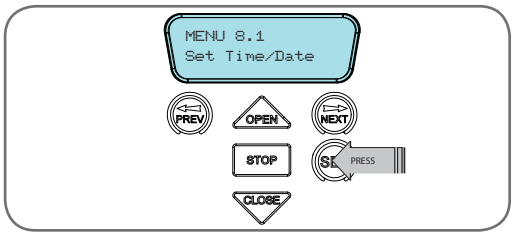


fig 46

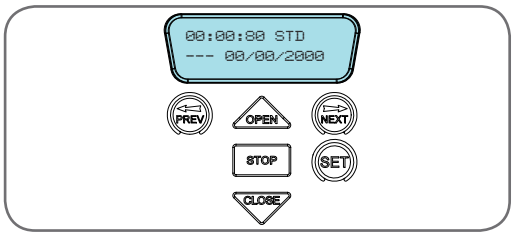


fig 47

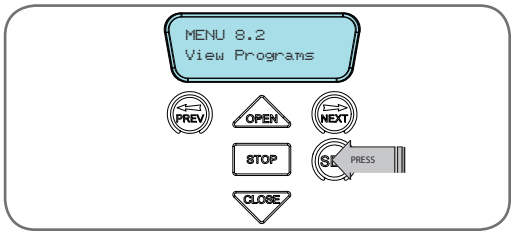
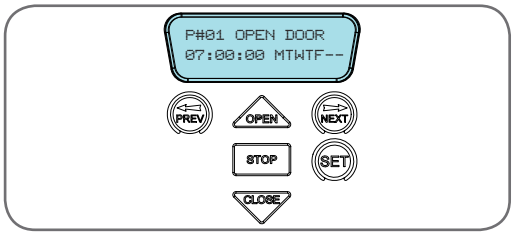


fig 48



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

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 shutter opener 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.

Step 13 - Time Clock Settings

The Time Clock settings are accessed by selecting the Time Clock menu (MENU 7). Press SET **(Fig. 45)** 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. 46)**.

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. 47)**. 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. 48** shows that DOOR will OPEN at 7 am on Mondays, Tuesdays, Wednesdays, Thursdays and Fridays. Use the OPEN /CLOSE buttons to scroll though the other programs.
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.

Time Clock

The selectable functions available are:

RX = Off
From the time when the program with RX = OFF is activated, all the transmitters will be disabled.

RX = On
From the time when program with RX = ON is activated, all the transmitters will be enabled.

Open Door
From the time when the program with OPEN DOOR is activated, the door will open and stay open.

Stop Door
This feature will let the user activate the stop function until the next program starts. The door will not open or close while stop is activated.

Free Door
Release the controls from the timer.

Off
This will temporarily disable the program.

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.

Menu 7.3 Settings
Under this menu, three sub menus are available:

1. Run Programs
The programs of the timer can be interrupted by selecting RUN PROGRAM off.

2. Configuration Of GPI Input
General Purpose Input can be configured as OSC, PED or DST setup. This is activated by the GPI input terminal with the N/O switch.

When GPI Selected As OSC:
If the door is moving, the activation of GPI input or pressing 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.

When GPI Input Is Configured As PED:
The activation of the GPI input or by pressing 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.

When GPI Input Is Configured As DST:
GPI input can be used to switch between STD time and DST (daylight savings time). The AUX input needs to be constantly active to show day light saving time.

3. Day Light Saving Time Adjustment
The time selected is the amount of time added to STD time when DST is selected by AUX input. Options are OFF, 30, 60, 90 or 120 minutes.

Diagnostic Tools

fig 49

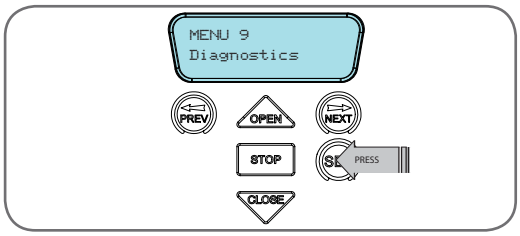


fig 50

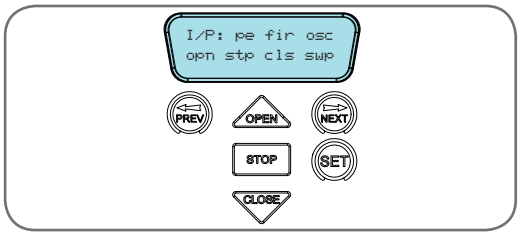


fig 51

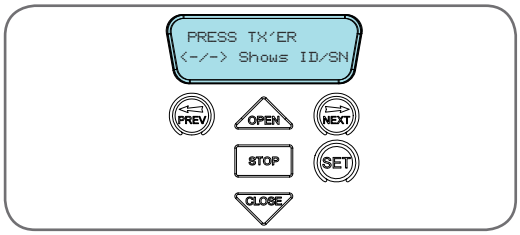


fig 52

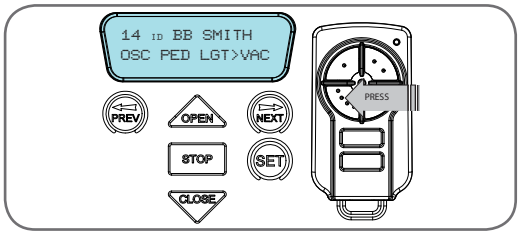


fig 53

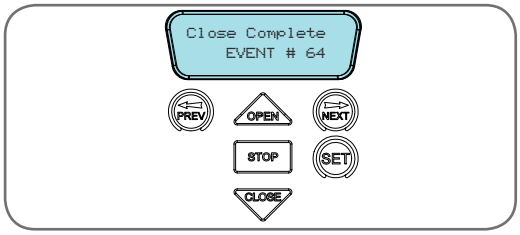
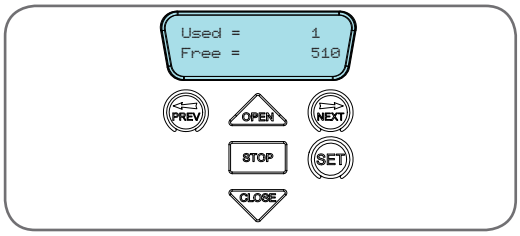


fig 54



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

1. Press PREV to navigate to Menu 8 **(Fig. 49)**.
2. Press SET to display the menu of available functions.
3. Press PREV or NEXT to cycle through diagnostic tools.
4. 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. 50)** which indicates the state of each input. If the name of the input is in upper case, then the input is active. Conversely if the input is in lower case, then the input is inactive. For normal operation, all inputs should be inactive. When finished, press STOP.

Menu 8.2 Test 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. 51)** 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. 52)**. 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. 53)**. 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. 54)**.

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. 55).** 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 PARAMETER VIEWING AND EDITING). 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. 56).** 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.

1: Open Cycles	2: Close Cycles
3: PED Cycles	4: Setup Limits
5: Warranty Cycles	6: Open O/LS
7: Close O/LS	8: Open Stalls
9: Close Stalls	10: Direction Faults
11: Position Sensor faults	12: Drive Memory Faults
13: Position Wrap Faults	14: Console Volt Faults
15: PCB Temp Fault	16: Comms Compat Faults
17: INV logic faults	18: Low DC Bus Volt Faults

Menu 8.7 Install Data

Open Position
Shows the fully open position door counter.

PED Position
Shows the pedestrian position counter.

Open Time
Time taken for the opener to drive the door to open position.

Close Time
Time taken for the opener to drive the door to the close position.

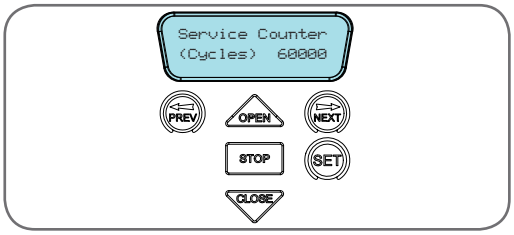


fig 55

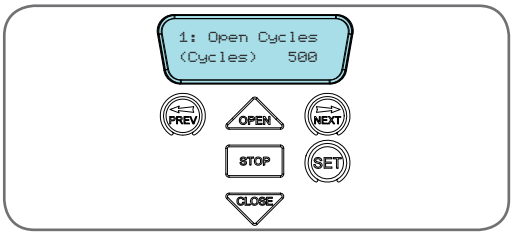


fig 56

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 shutter opener's drive and console are shown here.

Memory Tools

Menu 9.0 Memory Tools

The Memory Tools accessed from within Menu 9 are used to clear the transmitters 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 Tx'ers

This option will clear the transmitter storage memory.

Specifications

Technical Specifications

Power supply		230V - 240Va.c. 50Hz
Motor power		750 Watts
Motor type		Three Phase 240 Volts (Delta Connection)
Maximum door opening:	Height: Width: Weight:	6000mm 6000mm 550kg
Opener Limits Travel		21 turns of output shaft
Duty Cycle		60%
Receiver type		UHF Multi-frequency FM Receiver
Receiver code storage capacity		511 X 4 button Transmitter Codes
Receiver Sensitivity		– 103 dB
Transmitter frequency		UHF Multi-frequency FM Transmitter
Coding type		Code hopping
Number of code combinations		Over 4.29 billion random codes
Code generation		Non-linear encryption algorithm
Courtesy light		Common Collector Transistor output
Controller fuse		10 A slow blow
Transmitter Battery		CR - 2032 (3 Volts)
Real Time Clock Battery		CR -1220 (1.5 Volts)

NOTE:

1. The door must be well balanced.
2. If the PE Beams are not installed then the controller will automatically goes into "Safety Close" mode. Limited number of features are available in this mode please refer to page 30.

Troubleshooting

Symptom	Possible cause	Remedy
Blank display screen.	Mains power not switched on. Network cable not connected. Controls cover is lose or missing.	Switch on mains power. Connect the network cable. Install the controls cover.
Wall control unit displays " Drive Disengaged".	Hand chain is not freely hanging.	Free the hand chain.
During limit setting, pressing the close button causing the door to open.	Motor running in wrong direction.	Change the motor direction by pressing stop button on wall control unit once.
Opener Overloads.	Door is locked. Door tracks/hardware damaged. Full load current settings are too low.	Unlock door. Door requires service/repair by qualified technician. Adjust the full Load current in menu 2.1.
Door operates from wall control unit (OPEN/CLOSE) button but not from transmitter.	Transmitter code not stored in memory. Transmitters operation disabled from the time clock. The opener is in "Vacation Mode".	Code transmitter in to openers memory. Enable the transmitter operation in the time clock menu. Turn off "Vacation Mode".
	Flat battery.	Replace battery.
Door does not close with transmitter.	Safety Close Mode is on. PE Beams not installed or not working properly.	Turn the Safety Close Mode off. Make sure PE Beams are operational.
Door will not close fully.	Door limits positions need to be reset.	Reset limits positions.
Door will not open fully.	Door limits positions need to be reset.	Reset limits positions.
Auto-Close not working.	PE Beam not installed. PE Beam or wiring faulty. PE Beam not aligned correctly. PE Beam is obstructed. Door obstructed when closing. Auto-Close time not set.	Install PE Beam. Repair PE Beam or replace wiring. Re-align optics. Remove obstruction from path of PE. Remove obstruction. Set Auto-Close times.

Maintenance

Maintenance

The shutter door should be tested regularly to ensure it is in good condition. A poorly maintained door could cause fatal or serious injuries or serious damage to property.

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

Monthly

- Check the tension, condition and alignment of the drive chain. Adjust/ replace if required.
- Check the operation of PE Beams

Quarterly

- Check manual operation by using the hand chain.
- Lubricate the drive chain.
- Check tightness of the fixing bolts and grub screw of the sprocket.

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

Yearly

Automatic Technology suggests you contact your shutter door professional to perform an annual door service.

CAUTION: Frequently examine the shutter door, particularly 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. (AS3350)

Adjustments should only be carried out by experienced persons, as this function can be dangerous if not performed under strict safety procedures.

Warning! Failure to maintain your shutter door may void the warranty on your shutter door opener.

Service Record

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

Date	Service by	Signature	Invoice No.	Amount

Spare Parts

Warranty

1. This warranty is an addition to any non-excludable conditions or warranties that are implied into this contract by relevant statute, including the Trade Practices Act 1974 (Cwth).
2. Subject to all of the matters set out below, Automatic Technology Australia Pty Ltd ("ATA") warrants:
   (a) roll up door opener drive units for twenty four (24) months or 5000 cycles, whichever occurs first; and
   (b) all components and accessories for twelve (12) months, from the date of purchase (specified in the sales docket receipt) as free of any defects in material and workmanship.
   (c) no further warranty will apply for goods repaired in the warranty period.
   (d) for all products repaired outside the warranty period, a six (6) month warranty applies from the date of dispatch.
3. This warranty applies only where the purchaser:
   (a) immediately notifies ATA or the retailer of the alleged defect;
   (b) returns the product to the retailer; and
   (c) presents the relevant sales docket and this warranty document to the retailer to confirm the date of purchase.
4. Except for this warranty, ATA gives no warranties of any kind whatsoever (whether express or implied), in relation to the product, and all warranties of whatsoever kind relating to the product are, to the extent permissible by statute, hereby excluded.
5. To the extent permissible by statute, ATA disclaims any liability of whatsoever nature in respect of any claim or demand for loss or damage which arises out of:
   (a) accidental damage to or normal wear and tear to the product or to the product's components;
   (b) any cost relating to damage resulting from wear and tear;
   (c) blown fuses, loss or damage caused by electrical surges, power surges or power spikes;
   (d) loss or damage due to theft, fire, flood, rain, water, lightning, storms or any other acts of God;
   (e) maximum operating force exceeding *15kg (150N) when moving the door manually to the open or closed position;
   (f) door surface area and/or weight exceeding 28m^2 and 270kg respectively;
   (g) door not in safe and correct working order and condition;
   (h) evidence of unauthorised repairs;
   (i) any cost relating to damage caused by misuse, negligence or failure to maintain the equipment in a proper working order as per clauses (d) through (h);
   (j) installation, adjustment or use which is not in accordance with the instructions set out in installation instruction manual
   (k) attempted or complete modification or repairs to the product carried out by a person who is not authorised or has not been trained by ATA to carry out such modification or repairs;
   (l) faulty or unsuitable wiring of structure to which the product is fixed or connected;
   (m) radio (including citizen band transmission) or any electrical interference;
   (n) damage caused by insects;
   (o) loss or damage to any property whatsoever or any loss or expense whatsoever resulting or arising there from or any consequential loss;
   (p) any cost or expense arising due to manufacturer recall of any product;
   (q) any cost or expense due to negligence of the approved service provider;
   (r) installation of a residential garage door opener in a commercial or industrial situation or a non-single residential dwelling.
6. 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.
7. This warranty does not extend to cover labour for installation.
8. This warranty is limited to Return-to-Base (RTB) repair and does not cover labour for on-site attendance.
9. This warranty is void if the Product is not returned to the manufacturer in original or suitably secure packaging.
10. This warranty is only applicable for repairs to the product carried out within Australia.
11. This warranty does not cover consumable items including globes, batteries and fuses.
12. This warranty is not transferable.
13. 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.

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.
3 *The door should be balanced in such a way that the user manually is able to open or close the door without using force not greater than 150N (15kg) although a greater force may be required for the start of the movement.

automatic TECHNOLOGY

smart | simple | secure

an alesco company

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