Dual Gate Controller

24 Volt Gate Control System DCB-05V2

Featuring **TrioCode™ 128** Technology

aut○matic
TECHNOLOGY

SMART
SIMPLE
SECURE

⚠ Important Safety Instructions

The safety alert symbols below indicate a personal safety or property damage instruction exists. READ THESE INSTRUCTIONS CAREFULLY. This DCB-05V2 Gate 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 gate may operate unexpectedly, therefore do not allow anything to stay in the path of the gate.
- Do not disengage the gate opener to manual operation with children/persons or any objects including motor vehicles within the gateway.
- Make sure the gate is fully open before driving into or out of the driveway.
- 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 rules** must be followed.

ELECTROCUTION!
- Do not immerse in or spray the DCB-05V2 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 gate opener.
- If the power supply cord is damaged, it **must** be replaced by an Automatic Technology service agent or suitably qualified person.
- Connect the gate opener to a properly **earthed** general purpose 240V mains power outlet installed by a qualified electrical contractor.

CAUTION:
Entrapment from operating gate

- **DO NOT** operate the gate opener unless the gate is in full view and free from objects such as cars and children/people. Make sure that the gate has finished moving before entering or leaving the driveway.
- Do not allow children to play with gate controls or transmitters.
- In order for the DCB-05V2 to **sense** an object obstructing the gateway, some **force** must be exerted on the object. As a result the object, gate and/or person may suffer **damage** or **injury.**
- Regularly check to make sure that the **Safety Obstruction Force** is working correctly, and is **tested** and set as per **Section 12 of this manual**. Failure to follow these instructions could result in **serious personal injury** and/or property damage. This test must be repeated at regular intervals and the necessary adjustments made as required.
- If using a key switch, keypad or any device that can operate the gate opener, make sure it is in a location where the gateway is visible, but out of the reach of children at a height of at least 1.5m.
- For **ADDITIONAL SAFETY** protection we **STRONGLY** recommend the fitting of a Photo Electric (Safety) Beam. In most countries Safety Beams are mandatory on all gates fitted with automatic openers.

Installation
- Ensure the gate(s) is in good working order. Faulty gates must be repaired by a qualified technician prior to DCB-05V2 installation.

Security
- Make sure that the gate is fully closed before leaving the driveway.

Entanglement in or laceration from moving gate
- Keep hands and loose clothing clear of gate at all times
- Keep clear of gate during operation as severe lacerations can occur on sharp edges of gate.

Dual Gate Controller

24 Volt Gate Control System DCB-05V2

Contents

1. Features

Thank you for purchasing the automatic Dual Gate Controller DCB-05V2 from Automatic Technology. Designed for residential 24 volt swing and sliding gates by our world renowned team of engineers, this unit will give years of smart, simple and secure operation. Listed below are some of the many features.

Dual leaf gate
DCB-05V2 is able to control a single or dual leaf 24 volt swing or sliding gates .

Operation
To activate the gate simply press a button on the transmitter, keypad or use one of the other optional control devices. During an open or close cycle the gate can be stopped by pressing the button while it is in motion. The next actuation will move the gate in the opposite direction.

Operator console
DCB-05V2 features a LCD display operator console which simplifies installation, adjustments and status indication. Features include programming and editing transmitter storage and names, setting parameters, selecting specialised operating modes and performing system diagnostics.

TrioCode™128 Technology
Only transmitters with the TrioCode™128 Technology can operate with the latest Openers, reducing the chance of intereference from other radio frequency sources. Every time a TrioCode™128 transmitter is used a new security code is randomly generated from over 100 billion possibilities. This greatly enhances the security of the system and makes "code grabbing" a thing of the past. TrioCode™128 transmitters have the ability to code into earlier model openers.

Security code store
DCB-05V2 uses revolutionary technology to securely store up to thirty (30) transmitters in its memory with the ability to assign 11 character name to each.

Various types of drive units supported
DCB-05V2 can be used with gate drive units that use micro-switches, mechanical stops or slip clutches. In addition to this, the micro-switch type drive units can be wired using 3 or 5 wires.

Transmitter Management Flexibility

Whenever a large number of transmitters are used, managing those transmitter effectively is of great importance. DCB-05V2 provides many features which enhance transmitter management. Transmitters can be listed by store location, group number, serial number or I.D. Label.

Ease of installation

During installation the DCB-05V2 will automatically detect the wiring type and the number of motors connected. Once the limits have been adjusted, DCB-05V2 will automatically learn the travel characteristic of each gate.

Password protection

All operating parameters and transmitter storage can be protected from being changed by unauthorised personnel by an optional password protection feature.

Status indication

The status of the DCB-05V2 can be determined at any time by observing the screen of the console. When the MAIN SCREEN is displayed, the current position of the gate or the result of the last movement can be viewed. 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, vacation mode, etc.

Control of lock and lights

DCB-05V2 has two programmable outputs which can be selected to operate an electric lock and warning or courtesy lights. The timing of these outputs can be adjusted to suit your needs. In addition a button on a remote control can be coded to operate the Light output. Light timer is adjustable from 0-255 seconds.

Smart Solar™ and Battery Backup Compatibility

DCB-05V2 can be fitted with optional Smart Solar™ or Battery Backup kit to provide operation during power outages or at unpowered sites.

2. Control Board Layout
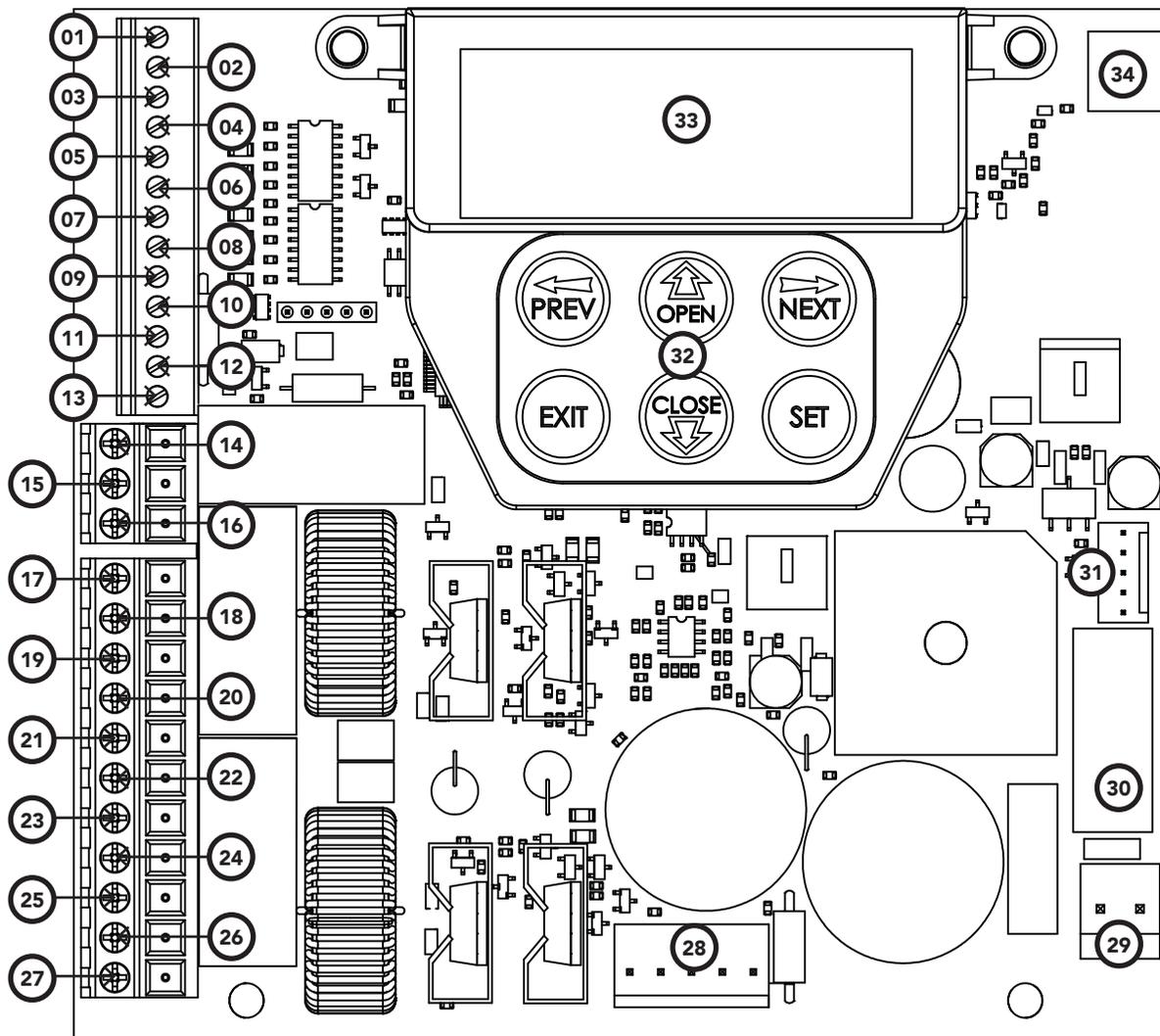
Fig 2.1

01. **SB2** (Safety Beam (2), two, three wire or wireless)
02. **SB1** (Safety Beam (1), two, three wire or wireless)
03. **0V**
04. **Aux control input**
05. **OPN** Programmable N/O or N/C input terminal
06. **STP** Programmable N/O or N/C input terminal
07. **CLS N/O input terminal**
08. **OSC N/O input terminal**
09. **SWP N/O input terminal**
10. **PED N/O input terminal**
11. **0V**
12. **V+**

13. **OUT 2** (optional relay module coil drive)
14. **OUT 1 N/C relay contact**
15. **OUT 1 COM relay contact**
16. **OUT 1 N/O relay contact**
17. **MOTOR 2 terminal 1**
18. **MOTOR 2 terminal 2**
19. **MOTOR 2 close limit switch input terminal**
20. **MOTOR 2 open limit switch input terminal**
21. **COM terminal for Terminals 19,20,22 &23.**
22. **MOTOR 1 close limit switch input terminal**
23. **MOTOR 1 open limit switch input terminal**
24. **MOTOR 1 terminal 1**

25. **MOTOR 1 terminal 2**
26. **V PWR for accessories**
27. **0V**
28. **Standby battery / solar charger connector**
29. **24VAC power input (from transformer)**
30. **10 amp fuse**
31. **Programmer Input**
32. **Console keypad**
33. **Console display (LCD)**
34. **Antenna connector**

3. Set Up Requirements

3.1 Kit Contents

ITEM	DESCRIPTION	QTY	ORDER CODE
1	GATE CONTROL SYSTEM DCB05	1	61047
2	MOUNTING LUGS FOR GEWISS BOX	4	64820
3	SCREW "P" M3.5 X 13	4	
4	TRIO-CODE 4B PTX-5V2 TRANSMITTER	2	61161
5	RESISTOR 5K6	2	65882

3.2 Choosing your Set up

The DCB-05V2 can be set up in various ways and therefore may require additional items. Common Set ups are as follows;

Set Up	Items Required
Automated Set Up	Drive Unit, control system and transmitter
Automated Set Up with Safety Beams	Drive Unit, control system, transmitter and safety beams (optional extra)
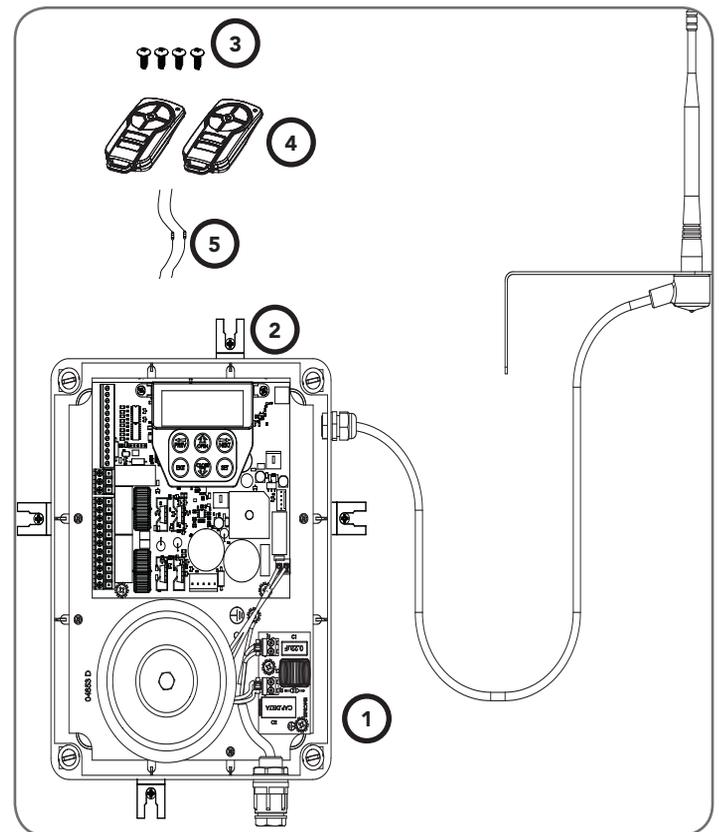
Fig 3.1

4. Installation Requirements

IMPORTANT SAFETY INSTRUCTIONS FOR INSTALLATION
Warning: Incorrect installation can lead to severe injury.
Follow ALL installation instructions.

CAUTION: do not use any cables which carry green/ yellow wires as this signifies earth, and do not comply with electrical authority regulations.

4.1 Mounting Control Box

a. The control box should be mounted near the drive unit using four (4) 6mm screws.

b. Drill holes as per **(Fig. 4.1).** When locating the control box, allow ample space around the unit for easy access and wiring connections.

c. Remove cover from control box.

d. Dual Gates Only- Determine which leaf you would like to open first and close last. This gate leaf must be connected to Motor 1 (M1) terminals on the control board.

e. Connect drive unit(s) to control board. For detailed electrical connection see Section 5.

4.2 Installing antenna

Mount the antenna at or above the height of the gate or fence (whichever is higher) for optimal reception. Do not cut the coaxial cable.
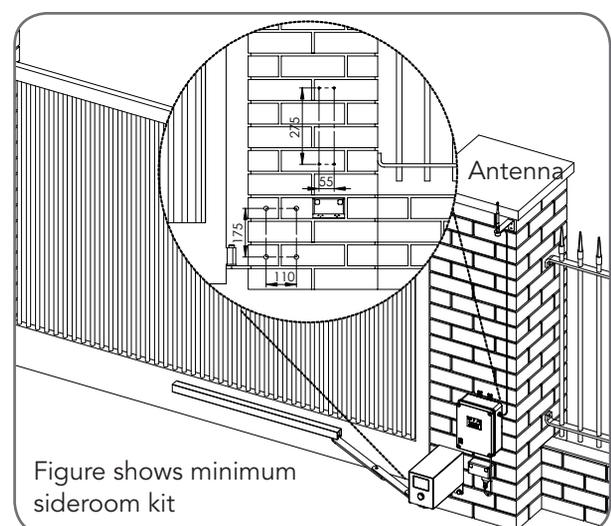
Figure shows minimum sideroom kit

Fig 4.1

5. Wiring Diagrams - Single Gates

⚠️ **CAUTION: Cables which have a green/yellow coloured insulation are for earthing purposes only. Never use these cables for any other purpose.**

5.1 Wiring motors and limit switches

DCB-05V2 can be connected to the single gate drive units in one of several ways.

Wiring	Figure #
5 Wire, Single Gate	5.1
3 Wire Single Gate	5.2
2 Wire Single Gate	5.3

The diagrams **(Fig. 5.1 to Fig. 5.3)** show the various wiring methods used for different drive unit types. Select the appropriate method for your drive unit.

NOTE: "non-motor current carrying limit-switch" type drive units can be connected using the standard 5 wire connections or a special 3 wire method that uses a single limit switch sense wire and two diodes.

5.2 Diodes 1N4004 or equivalent (not included)

The most common function of a diode is to allow an electric current to pass in one direction and to block the current in the opposite direction. The diode is a unidirectional electronic component. It must be used as shown in **Fig. 5.2** to work properly.

NOTE: The motor travel direction can be reversed by swapping the motor connections. An opportunity to confirm the correct motor polarity is provided during the limit setup procedure.

Close
Open

MI
MOTOR 1

MOTOR 2 TERMINAL 1
MOTOR 2 TERMINAL 2
MOTOR 2 CLOSE LIMIT SWITCH INPUT
MOTOR 2 OPEN LIMIT SWITCH INPUT
COMMON FOR MOTOR 1 & 2 LIMIT SWITCHES
MOTOR 1 CLOSE LIMIT SWITCH INPUT
MOTOR 1 OPEN LIMIT SWITCH INPUT
MOTOR 1 TERMINAL 1
MOTOR 1 TERMINAL 2
V PWR FOR ACCESSORIES
0V

Fig 5.1

open
close
1N4004 diode
1N4004 diode

MI
MOTOR

MOTOR 2 TERMINAL 1
MOTOR 2 TERMINAL 2
MOTOR 2 CLOSE LIMIT SWITCH INPUT
MOTOR 2 OPEN LIMIT SWITCH INPUT
COMMON FOR MOTOR 1 & 2 LIMIT SWITCHES
MOTOR 1 CLOSE LIMIT SWITCH INPUT
MOTOR 1 OPEN LIMIT SWITCH INPUT
MOTOR 1 TERMINAL 1
MOTOR 1 TERMINAL 2
V PWR FOR ACCESSORIES
0V

Fig 5.2

MI
MOTOR 1

MOTOR 2 TERMINAL 1
MOTOR 2 TERMINAL 2
MOTOR 2 CLOSE LIMIT SWITCH INPUT
MOTOR 2 OPEN LIMIT SWITCH INPUT
COMMON FOR MOTOR 1 & 2 LIMIT SWITCHES
MOTOR 1 CLOSE LIMIT SWITCH INPUT
MOTOR 1 OPEN LIMIT SWITCH INPUT
MOTOR 1 TERMINAL 1
MOTOR 1 TERMINAL 2
V PWR FOR ACCESSORIES
0V

Fig 5.3

6. Wiring Diagrams - Dual Gates

Fig 6.1

MOTOR 2

close

open

close

open

M2

MI

MOTOR 1

MOTOR 2 TERMINAL 1
MOTOR 2 TERMINAL 2
MOTOR 2 CLOSE LIMIT SWITCH INPUT
MOTOR 2 OPEN LIMIT SWITCH INPUT
COMMON FOR MOTOR 1 & 2 LIMIT SWITCHES
MOTOR 1 CLOSE LIMIT SWITCH INPUT
MOTOR 1 OPEN LIMIT SWITCH INPUT
MOTOR 1 TERMINAL 1
MOTOR 1 TERMINAL 2
V PWR FOR ACCESSORIES
0V

Fig 6.2

close 1N4004 diode

open 1N4004 diode

MOTOR 2

close 1N4004 diode

open 1N4004 diode

M2

M1

MOTOR 1

MOTOR 2 TERMINAL 1
MOTOR 2 TERMINAL 2
MOTOR 2 CLOSE LIMIT SWITCH INPUT
MOTOR 2 OPEN LIMIT SWITCH INPUT
COMMON FOR MOTOR 1 & 2 LIMIT SWITCHES
MOTOR 1 CLOSE LIMIT SWITCH INPUT
MOTOR 1 OPEN LIMIT SWITCH INPUT
MOTOR 1 TERMINAL 1
MOTOR 1 TERMINAL 2
V PWR FOR ACCESSORIES
0V

Fig 6.3

M2

MOTOR 2

MI

MOTOR 1

MOTOR 2 TERMINAL 1
MOTOR 2 TERMINAL 2
MOTOR 2 CLOSE LIMIT SWITCH INPUT
MOTOR 2 OPEN LIMIT SWITCH INPUT
COMMON FOR MOTOR 1 & 2 LIMIT SWITCHES
MOTOR 1 CLOSE LIMIT SWITCH INPUT
MOTOR 1 OPEN LIMIT SWITCH INPUT
MOTOR 1 TERMINAL 1
MOTOR 1 TERMINAL 2
V PWR FOR ACCESSORIES
0V

CAUTION: Cables which have a green/yellow coloured insulation are for earthing purposes only. Never use these cables for any other purpose.

6.1 Wiring motors and limit switches

DCB-05V2 can be connected to the dual gate drive units in one of several ways.

Wiring	Figure #
5 Wire Dual Gate	6.1
3 Wire Dual Gate	6.2
2 Wire Dual Gate	6.3

The diagrams **(Fig. 6.1 to Fig. 6.3)** show the various wiring methods used for different drive unit types. Select the appropriate method for your drive unit.

NOTE: "non-motor current carrying limit-switch" type drive units can be connected using the standard 5 wire connections or a special 3 wire method that uses a single limit switch sense wire and four diodes.
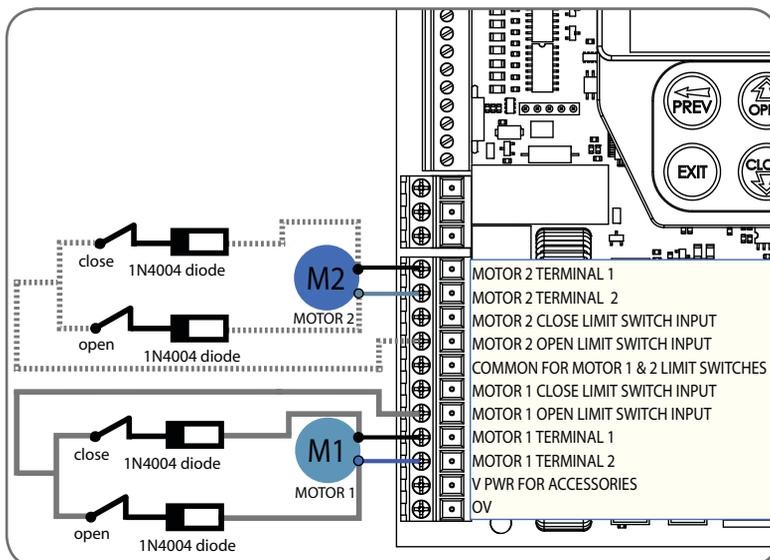
6.2 Diodes 1N4004 or equivalent (not included)

The most common function of a diode is to allow an electric current to pass in one direction and to block the current in the opposite direction. The diode is a unidirectional electronic component. It must be used as shown in **Fig. 5.2** to work properly.

NOTE: the drive unit connected to the MOTOR 1 terminals will open first and will be used for pedestrian access.

NOTE: The motor travel direction can be reversed by swapping the motor connections. An opportunity to confirm the correct motor polarity is provided during the limit setup procedure.
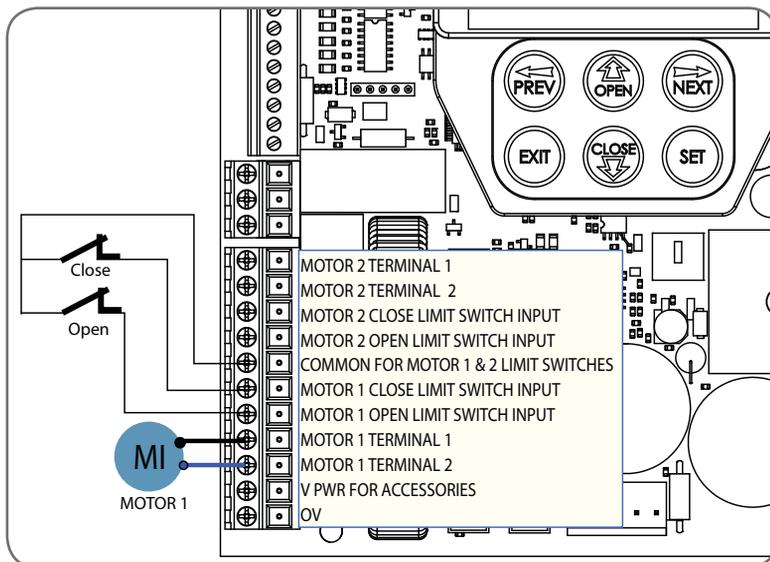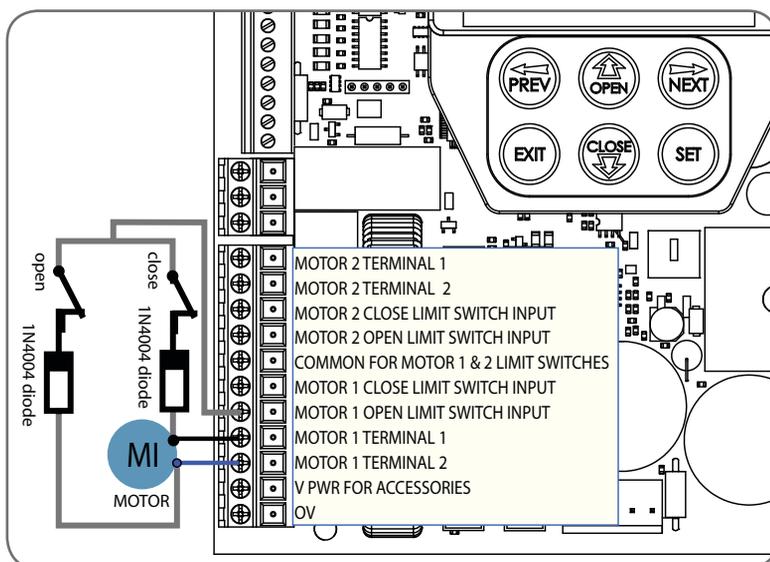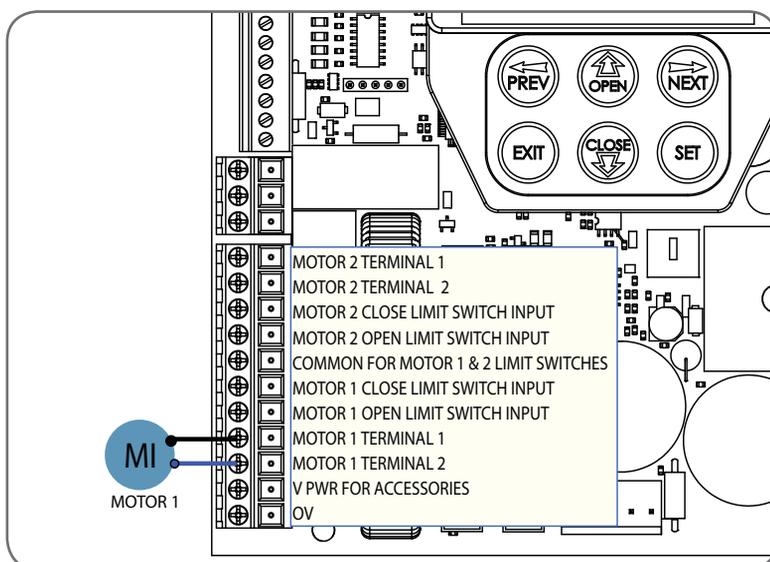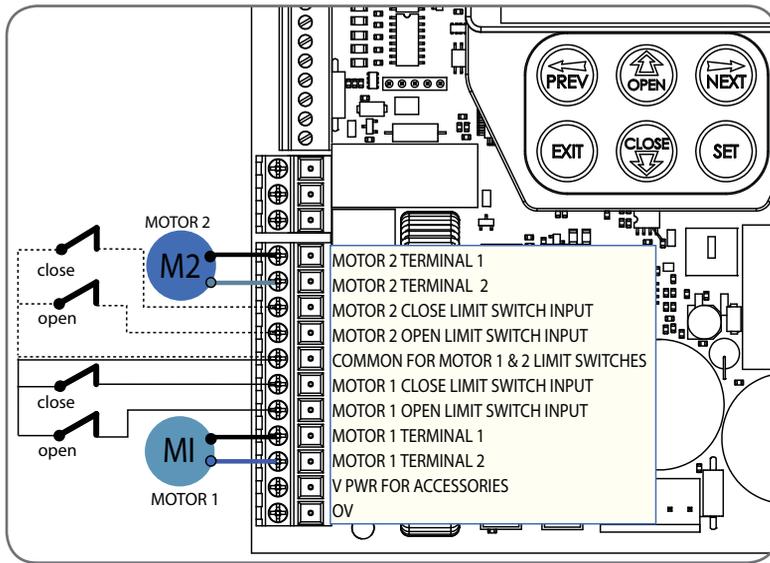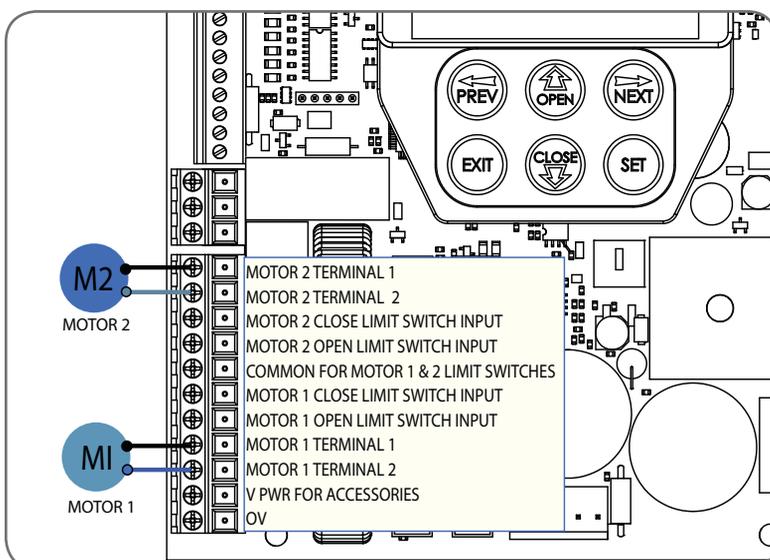
6. Wiring Diagrams - Dual NeoSlider Kit

Fig 6.4
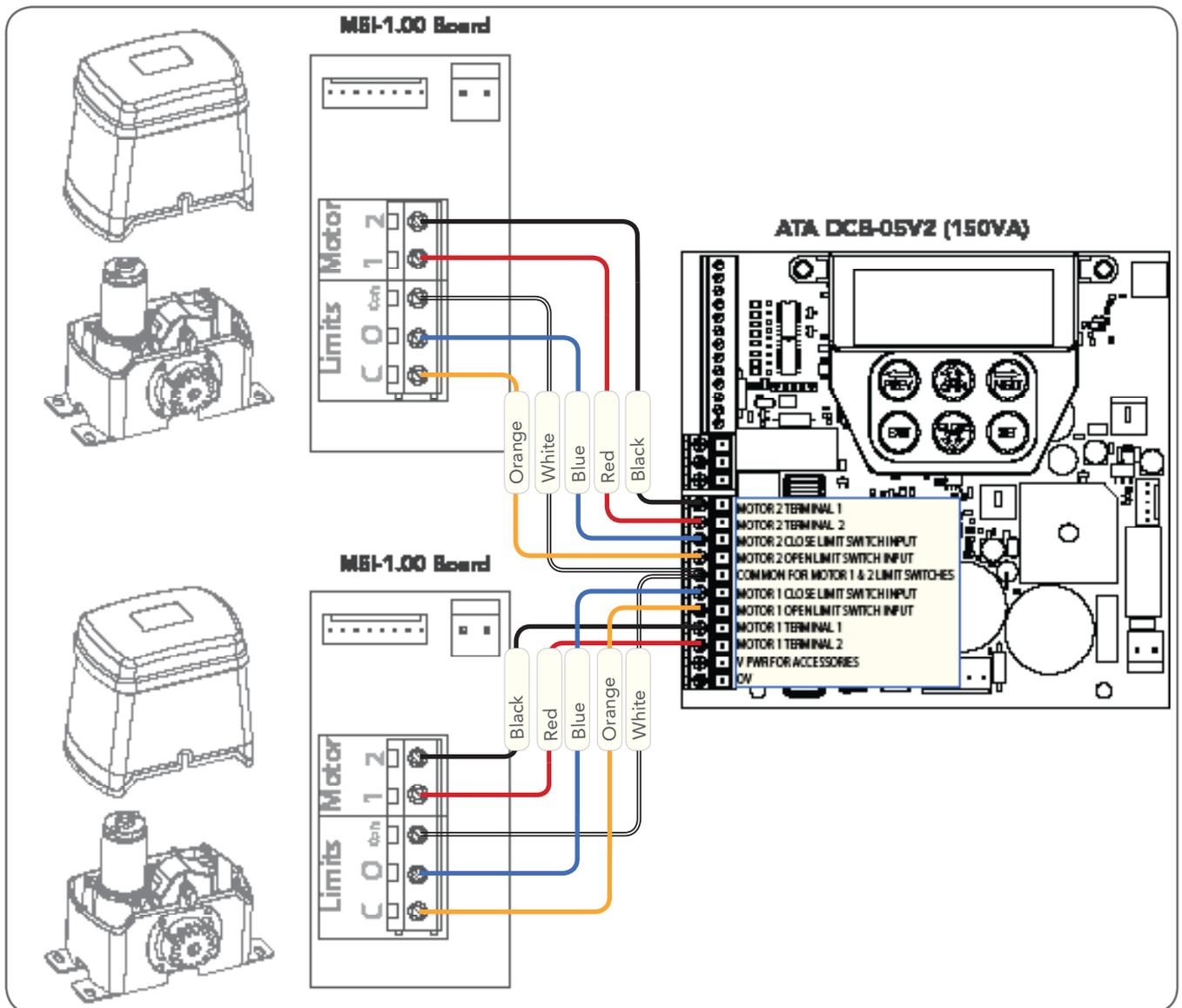
6.3 Dual NeoSlider Kit
This section illustrates how to wire two NeoSlider™ slave openers into a DCB-05V2. **(Fig. 6.4)**

NOTE:
When setting limits, if both openers are travelling in different directions (i.e one is opening and the other is closing), then do the following:
a. Switch over the motor wires (marked red and black in **Fig 6.4**) on the incorrectly behaving openers MSI board.
b. Restart the limit set up process.

7. Programming the DCB-05V2

7.1 Common Programs
The two most common programs are;

Program	Menu's required	Function	Section
Automated Set Up	Menu 10.1	Setting the Limits	8.1
		Safety Obstruction Force	9.1 and 9.2
	Menu 1	Coding the Transmitter	10.1
Automated Set Up with Safety Beams	Menu 10.1	Setting the Limits	8.1
		Safety Obstruction Force	9.1 and 9.2
	Menu 1	Coding the Transmitter	10.1
	Menu 3	Auto Close Times	13.2, 13.3 and 13.4

Fig 7.1

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

⚠️ **CAUTION:** Before plugging the gate control system in, check the power cord for damage and ensure it cannot become entangled in any moving parts

7.2 Powering up the DCB-05V2
a. After checking the initial wiring, apply power to the DCB-05V2. The controller will go through a startup sequence displaying the STARTUP SCREEN which indicates the controller type and firmware version **(Fig. 7.2)**. After a short delay the MAIN SCREEN will be displayed.
b. If this is the first time the DCB-05V2 has been used, the MAIN SCREEN should indicate that the limits are not set **(Fig. 7.3)**. If the display shows that some input is active then rectify the situation before proceeding. If a default setting is to be changed it should be done now before setting the travel limits.
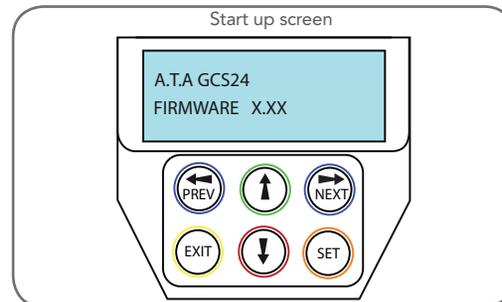

Start up screen

A.T.A GCS24
FIRMWARE X.XX

Fig 7.2

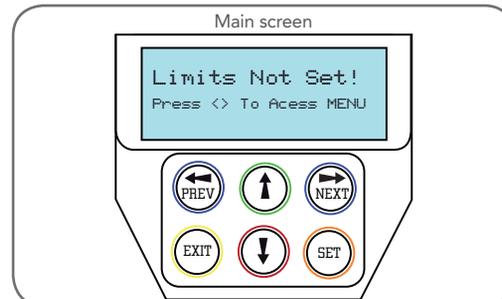Main screen

Limits Not Set!
Press <> To Acess MENU

Fig 7.3

8. Setting Limits

DCB-05V2 can be used with drive units that use different methods to stop at the end of their travel.
The types supported are:

Wiring	Type
3 or 5 Wire setup	Limit switch - Open and close limit switches indicate to DCB-05V2 when the travel limit is reached
2 Wire setup (See Appendix H for instructions)	AMP trip limits - Travel limits are detected by and an increase in motor current as mechanical stops are reached.
	Timing - The motor is driven for a preset time. When the travel limit is reached a clutch incorporated into the drive unit allows the motor to keep turning for the remaining preset running time.

8.1 Setting Travel Limits
Navigating To "Limit/AMP Travel Menu"
a. Scroll to the right using next button to access MENU 10
b. Press SET to display MENU 10.1.
c. Press SET again to start the limit setting procedure (**Fig. 8.1**).
d. DCB-05V2 will prompt you to confirm that the motor wiring is complete (**Fig. 8.2**) and that the gate(s) are at fully open position and engaged.
e. Press SET to confirm.
f. DCB-05V2 will now automatically detect the type of drive unit used by the number of wires used. If the correct number of wires is displayed then press SET to continue otherwise press EXIT and check the wiring.

NOTE: For 2 Wire Setup refer to Appendix H for "AMP Travel"

g. DCB-05V2 will now automatically detect if one or two motor are connected. If the correct number is displayed then press SET to confirm. Otherwise press EXIT and check the wiring (**Fig. 8.3**).

8.2 Adjusting Close Limit(s)
a. DCB-05V2 will prompt one at a time for the motor(s) to be driven to the desired close limit and for the limit switches to be adjusted so that the motor stops at the desired position.
b. Drive the motor using the UP and DOWN arrows on the console keypad (**Fig. 8.4**).
c. After making adjustments to the limit switch positions always re-approach the limit at full speed by driving the motor open a short distance and then driving it close again.
d. When the close limit is adjusted to the desired position press SET to continue.

NOTE: If the motor drives in the wrong direction (UP closes gate / DOWN opens gate) the motor wires need to be swapped

8.3 Adjusting Open Limit(s)
a. DCB-05 will now prompt for the motor(s) to be driven to the desired open limit and for the limit switches to be adjusted so that the motor stops at the desired position.
b. Drive the motor using the UP and DOWN arrows on the console keypad.
c. After making adjustments to the limit switch positions always re-approach the limit at full speed by driving the motor close a short distance and then driving it open again.
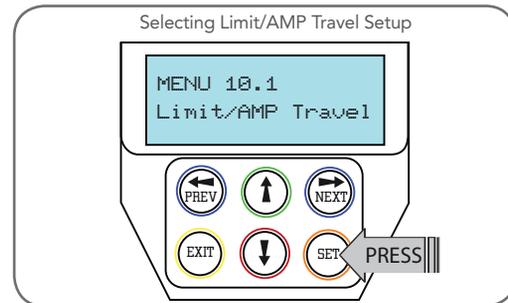d. When the open limit has been adjusted to the desired position, press SET.

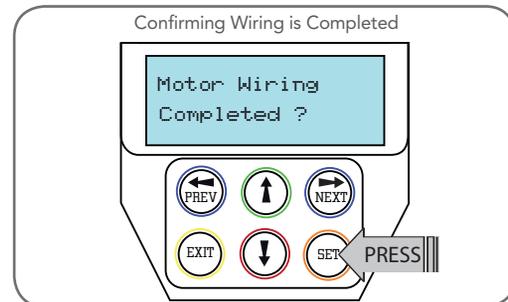Selecting Limit/AMP Travel Setup

```
MENU 10.1
Limit/AMP Travel
```
PREV NEXT
EXIT SET PRESS

Fig 8.1

Confirming Wiring is Completed

```
Motor Wiring
Completed ?
```
PREV NEXT
EXIT SET PRESS

Fig 8.2

Confirming Detected Motor Wiring

```
M1&2 Detected
Press Set If OK
```
PREV NEXT
EXIT SET PRESS

Fig 8.3

Adjusting The CLOSE LIMIT

```
↕ M1,2 & Adjust
Close Limit,Set
```
PREV PRESS
EXIT PRESS

Fig 8.4

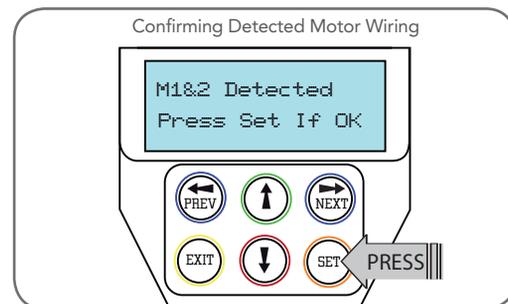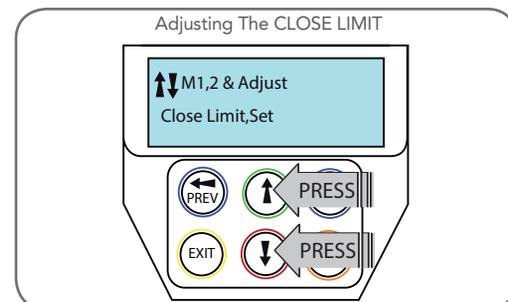## 8.4 Automatic Profiling
After a brief pause DCB-05V2 will automatically close and open gate several times and learn the gate(s) load and travel characteristics.

⚠ **WARNING: The gate(s) will automatically close and open. Ensure that no persons or objects are in the gates path.**

When the setup is complete the MAIN SCREEN will be displayed with the gate shown to be OPEN. The Gate can now be used.
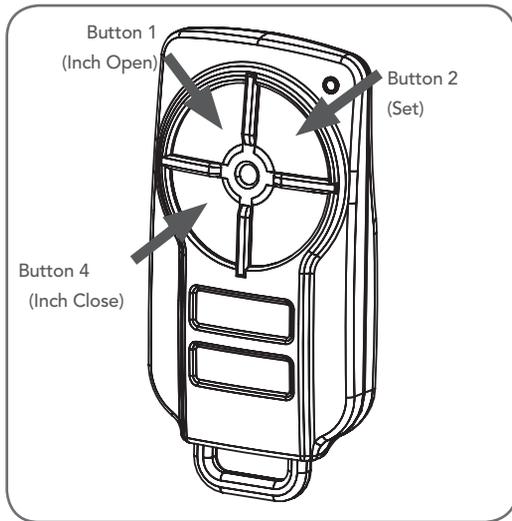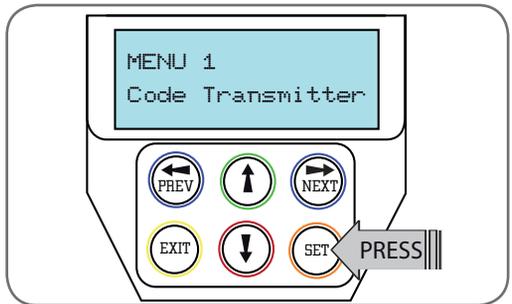
8. Setting Limits: Via Transmitter

Fig 8.5

Button 1 (Inch Open)
Button 2 (Set)
Button 4 (Inch Close)

Fig 8.6

MENU 1
Code Transmitter

PREV   NEXT
EXIT   SET   PRESS

IMPORTANT NOTE:
Only TrioCode™ 128 Technology Transmitters are compatible with this product.

The DCB-05V2 has the alternate ability to set travel limits using a transmitter, allowing free movement around the gate 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 gate 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. 8.5)**.

8.5 Code A Transmitter For Limit Setting

Navigating to "code transmitter" menu
a. Press NEXT to navigate to Menu 1.
b. Press SET to enter the code set procedure **(Fig. 8.6)**.

Storing Transmitter Code
a. Controller will prompt to press one of the transmitter's Button.
b. Press the transmitter button you wish to use to operate the gate opener (e.g. button 1) .
c. Press the same transmitter button again as prompted by display.
d. Press the SET button to store the transmitter.

Navigating To "Set Gate 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. Follow LCD prompts.

8.6 Setting Limits Via Transmitter

a. Press and hold Button 4 on the transmitter to close the gate
   i. If the gate is closed too far, press Button 1 to "inch" the gate towards open.
   ii. When happy with the close limit position, press Button 2 to store this in the memory.
b. Press Button 1 to open the gate.
   i. If the gate is opened too far, press Button 4 to "inch" the gate towards close

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

c. When happy with the open limit position, press Button 2 on the transmitter to store into memory.
d. The gate will now automatically close and open to calculate the safety obstruction settings.

9. Safety Obstruction Force Test

⚠️ **WARNING! Take care when testing or adjusting the Safety Obstruction Force. Excessive force may cause SERIOUS PERSONAL INJURY and/or PROPERTY DAMAGE.**

9.1 Testing Close Cycle (Single Swing Gates)

a. Press the OPEN button to open the gate.
b. Place a piece of timber approximately 40mm high on the ground directly next to the closing pilon / fence **(Fig. 9.1).**
c. Press the CLOSE button to close the gate. The leaf of the gate should strike the object and start to re-open.

9.2 Testing Open Cycle (Single Swing Gates)

a. Press the CLOSE button to close the gate**.**
b. Press the OPEN button to open the gate. When the gate reaches the half open point, grab the side rail of the gate firmly and the gate should stop.
c. If the gate does not reverse readily when closing, or stop when opening, the force may be excessive and need adjusting.

⚠️ **WARNING! If the gate fails these tests, put the opener into manual mode, only operate the gate by hand and call for service.**
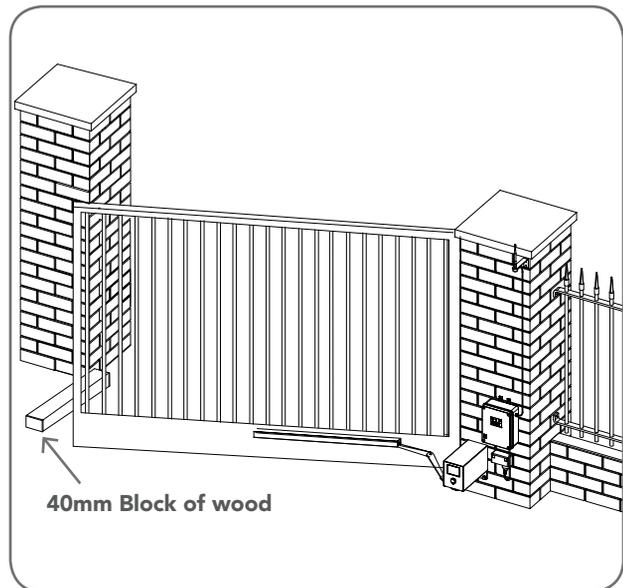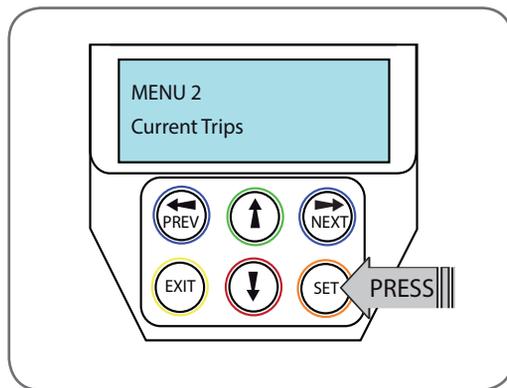

Fig 9.1

40mm Block of wood

9. Adjusting Safety Obstruction Force

Fig 9.2

MENU 2
Current Trips

PREV NEXT
EXIT SET PRESS

Fig 9.3

M1: CLOSE Margin
(Amps)   0.7

PREV PRESS
EXIT PRESS

Fig 9.4

M1: OPEN Margin
(Amps)   0.9

PREV PRESS
EXIT PRESS

Safety Obstruction Force
The Safety Obstruction Force is calculated automatically during setup. Adjusting this is normally only necessitated by environmental conditions such as windy or dusty areas, and areas with extreme temperature changes.
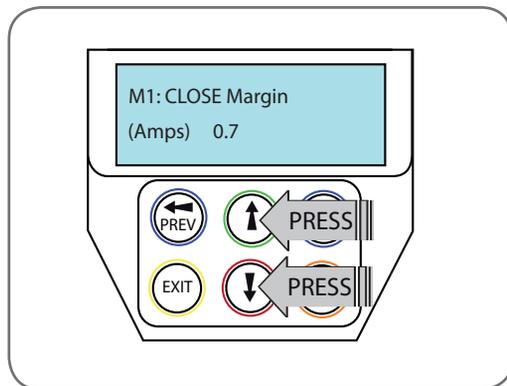
9.3 Force Pressure For Close Cycle.
Navigating To "Current Trips"
a. Press NEXT or PREV to navigate to Menu 2 Current Trips.
b. Press SET **(Fig.9.2)**
c. MENU 2.1: CLOSE Margin is displayed **(Fig. 9.3)**.
d. Press UP arrow to increase or DOWN arrow to decrease the value.
e. Press SET to save the new value.
NOTE: For dual gates repeat the same process for Motor 2
f. Test the force again as per "Safety Obstruction Force Test" in Section 9.1.
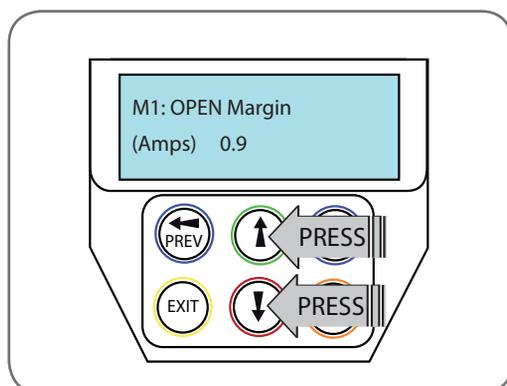
9.4 Force Pressure For Open Cycle.
Navigating To "Current Trips"
a. Press NEXT to navigate to the Menu 2 Current Trips.
b. Press SET **(Fig. 9.2)**
c. Press NEXT.
d. MENU 2.2: OPEN Margin is displayed **(Fig. 9.4).**
e. Press UP arrow to increase or DOWN arrow to decrease the value.
f. Press SET to save the new value.
NOTE: For dual gates repeat the same process for Motor 2
g. Test the force again as per "Safety Obstruction Force Test" in Section 9.2

9.5 Reprofiling Travel
a. 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 gate(s) change due to mechanical adjustments etc. To initiate a re-profile, simply locate "MENU 10.3 Reprofile Travel", press SET and follow the prompts. The gate(s) will start to move and re-calculate force margins. The gate(s) can move between the open and close limit positions up to two (2) times (depending on the position of the gate(s) and the power up condition).
b. A single beep will be heard once the process is complete.
c. Test the force again as per "Safety Obstruction Force Test" (Section 9.1 and 9.2).

10. Coding Transmitter

DCB-05V2 can store up to thirty (30) 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. 10.1)**. 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.

IMPORTANT NOTE:
Only TrioCode™128 Technology Transmitters are compatible with this product.

10.1 Coding Transmitter Button
Navigating To Menu 1 "Code Transmitter"
a. Press NEXT to navigate to Menu 1 **(Fig. 13.2)**.
b. Press SET to enter the code set procedure.

Storing Transmitter Code
a. The controller will prompt to press one of the transmitter's buttons.
b. Press the transmitter button you wish to use to operate the Gate Opener (e.g. button 1) **(Fig. 10.3)** .
c. Press the same transmitter button again as prompted by the display **(Fig. 10.4)**.

10.2 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. 10.5)**. Use UP/DOWN arrows to select the function for the button.

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

Press SET to save the settings or EXIT to abort without saving **(Fig. 10.6)**.

10.3 Returning To Main Screen
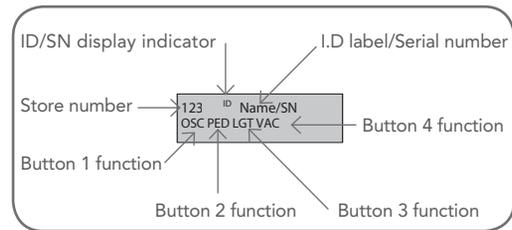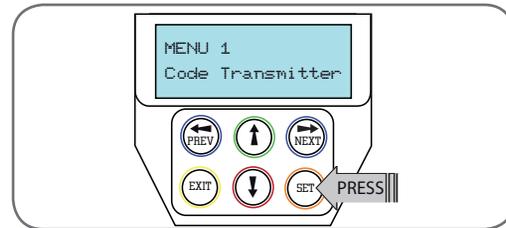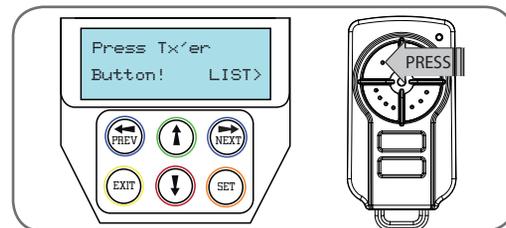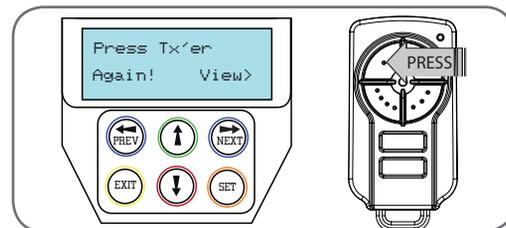The "Code Transmitter" menu will now be shown. Press EXIT to return to the MAIN SCREEN and test the transmitter.
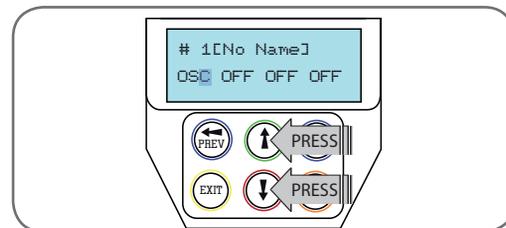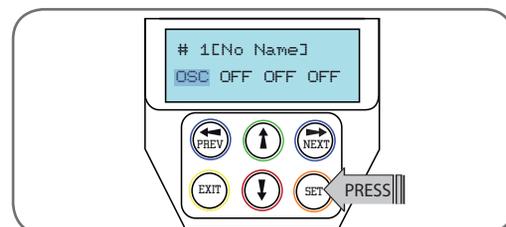

Fig 10.1

Fig 10.2

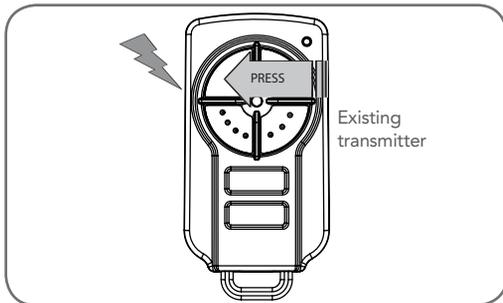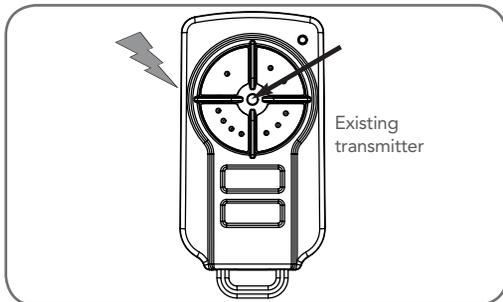Fig 10.3

Fig 10.4

Fig 10.5

Fig 10.6

11. Remotely Coding Transmitters
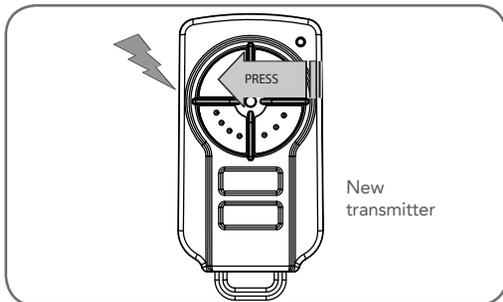
Fig 11.1

Existing
transmitter

Fig 11.2

Existing
transmitter

Fig 11.3

New
transmitter

Fig 11.4
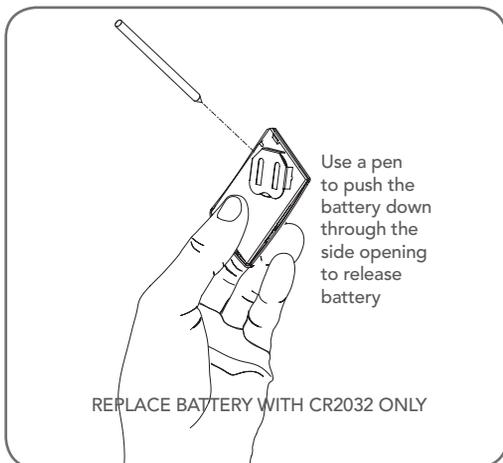
Use a pen
to push the
battery down
through the
side opening
to release
battery

REPLACE BATTERY WITH CR2032 ONLY

If a transmitter is already coded into the opener, additional transmitters can be coded without being in direct contact with the DCB-05V2.

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.

11.1 Selecting The Function To Be Coded
a. Using the existing transmitter, operate the gate with the transmitter button which has the function to be coded **(Fig. 11.1)** (e.g. Button 1 has been coded with the OSC function assigned).
b. If the button's function activates the gate (PED, SWP, OSC, CLS, STP or OPN) wait for the gate to complete its cycle.

11.2 Activate Remote Code Set Mode
a. Use a small pin to press and hold through the Coding Hole of the existing transmitter for 2 seconds **(Fig. 11.2).**
b. Within 10 seconds, press the button on the new transmitter you wish to code for 2 seconds **(Fig. 11.3)**.
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.

11.3 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. 11.4).** To test the battery is working, press and hold a transmitter button; **(Fig. 11.5).**

Light Status	Battery Status
Solid	OK
Flashing	Requires replacement
No light	Requires replacement

Fig 11.5

12. Setting Pedestrian Position

DCB-05V2 can be instructed, via its pedestrian control feature, to partly open and provide pedestrian access but prevent vehicle access. This is achieved by partly opening the motor 1 gate leaf. If dual motors are used, motor 2's gate leaf is held closed. The partly open position of motor 1's gate leaf is initially set to a position halfway between open and closed. This initial position can be adjusted by the installer to any position within the gates travel range by selecting a pedestrian access travel time (from closed). The setting is accessed from "MENU 10.4 Set Pedestrian". The time is adjustable in 1 second steps.

NOTE: Before setting the pedestrian access position the gate must be in the fully closed position. As with the Setting Travel Limit procedure, a transmitter can be used to complete the pedestrian position setting procedure.

12.1 Setting the Pedestrian Position
Navigating to "Menu 10.4 Set Pedestrian"
a. Press PREV to navigate to Menu 10.
b. Press SET - MENU 10.1 is displayed.
c. Press NEXT to go to MENU 10.4.
d. Press SET to enter Set Pedestrian procedure **(Fig. 12.1)**.

Setting pedestrian position
a. Press UP or DOWN arrows to adjust pedestrian drive time.
b. Press SET to record position
c. Press transmitter coded for pedestrian function or push button wired into pedestrian input to test.

12.2 Checking Pedestrian Position
When activated by a transmitter button which is coded as Ped mode, the opener drives the gate to the preset position. Ped Mode's active status is indicated on the display **(Fig. 12.2)**. If a Ped Mode button is pressed while the gate is moving, the gate will stop. If a Ped Mode button is pressed when the gate is in the Ped position, then the gate 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.
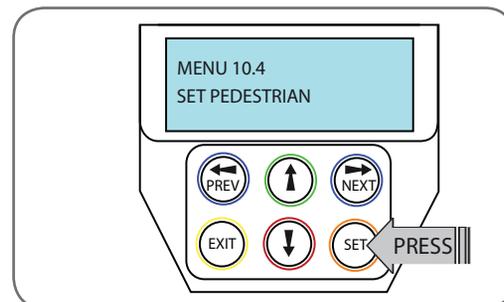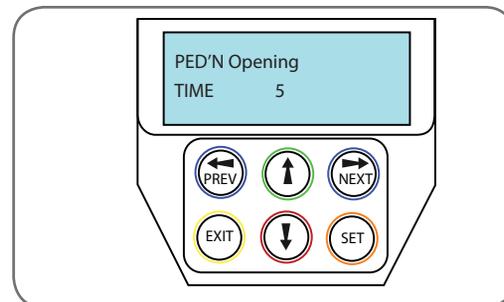

MENU 10.4
SET PEDESTRIAN

PREV   NEXT
EXIT   SET   PRESS

Fig 12.1

PED'N Opening
TIME   5

PREV   NEXT
EXIT   SET

Fig 12.2

13. Auto-Close Mode

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

13.1 Setting Up Standard Auto-Close
Menu 3. Auto-Close Times
Auto-Close mode is a function that automatically closes the gate a preset time after the Safety Beam recognise that a vehicle has left the gateway. The Auto-Close timer only starts after the Safety Beam path is broken and the Auto-Close timer has been set. If the Safety Beam path is not broken, the gate will remain open until the path is broken. If the opener incurs a physical obstruction (i.e. not from the Safety Beam) while closing, the gate will re-open and not Auto-Close until the Safety Beam path is broken again.

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

13.2 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 gate but only after an object has passed through the gateway and has triggered the Safety Beam input. Any Safety Beam or combination of Safety Beams can be configured to activate Safety Beam Auto-Close mode and combinations are:

One Beam only
    i.   Safety Beam 1
    ii.   Safety Beam 2
Either Beam
    i.   Safety Beam 1 or Safety Beam 2
Combination
    ii.   Safety Beam 1 and Safety Beam 2
    iii.   Safety Beam 2 then Safety Beam 1

NOTE: The swipe input can be used to clear the Safety Beam triggered status so that the Safety Beam input must be activated again before the countdown will start. As with the other Safety Beam modes, the STP input will abort countdown and the OPN and SWP inputs will restart the countdown if the gate is OPEN.

13.3 Pedestrian Auto-Close
Menu 3.3 Pedestrian Auto-Close
This mode is selected by entering a non-zero time for the "Ped'n A/C" parameter. When selected, the gate will Auto-Close after being opened for pedestrian access unless it was following a reverse from an obstruction.

Menu 3.4 (Safety Beam) Pedestrian Triggered Auto-Close
This mode is selected by entering a non-zero time for the "Safety Beam Pedestrian Auto-Close" parameter. Any Safety Beam or combination of Safety Beams can be configured to activate Safety Beam Auto-Close mode and combinations are:

One Beam only
    iv.   Safety Beam 1
    v.   Safety Beam 2
Either Beam
    i.   Safety Beam 1 or Safety Beam 2
Combination
    ii.   Safety Beam 1 and Safety Beam 2
    iii.   Safety Beam 2 then Safety Beam 1

13.4 Auto-Close After Obstruction:
Two 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.

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

Menu 3.6
This mode enables the Auto-Close feature to be activated when an open obstruction occurs.

Menu 3.7
This mode enables Auto-Close feature after power up.

14. Accessories Installation

Wiring Output1 And Output2

Outputs 1 and 2 are used to control a lock and a light. Which output is to control which function and the way it is controlled is programmable. If using these outputs make sure that the functions are configured for correct operation prior to setting the travel limits. OUTPUT1 is a relay output with high current capability. OUTPUT2 is used to activate an optional external relay module (RO-1) which in turn is used to switch the load.

14.1 Fitting Solenoid Or Magnetic Locks

Install the lock mechanism on the gate as per the manufacturers instructions. See **Fig. 14.1** for the wiring diagram.

Menu 4. Lock Times

Lock output can be programmed for both hold and pulse mode. The operation of the lock can be programmed to activate prior to the gate and behave differently on open cycles to that on close cycles.

a. Press NEXT or PREV on the wall control unit to navigate to Menu 4 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 EXIT button two times to exit and test the locks operation.

14.2 Fitting Courtesy Lights

An AC or DC courtesy light can be activated via an output on the gate opener control board. Connect the light as per the diagram. **(Fig. 14.2)**

> ⚠️ **WARNING: A qualified electrician must perform the installation where 240V AC power is used.**

Menu 5. Light Times

a. Press NEXT or PREV on the wall control unit to navigate to Menu 5 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 EXIT button two times to exit.
g. Test the light operation.

14.3 Installing The Wall Mounted Transmitter (Optional)

a. Remove the face plate from the transmitter.
b. Affix the base plate at a height of 1.5 metres within sight of the gate. Make sure that the position of the transmitter is out of reach of children and convenient to the customer **(Fig. 14.3).**
c. Replace the face plate.
d. To code the transmitter, refer to Section 10.
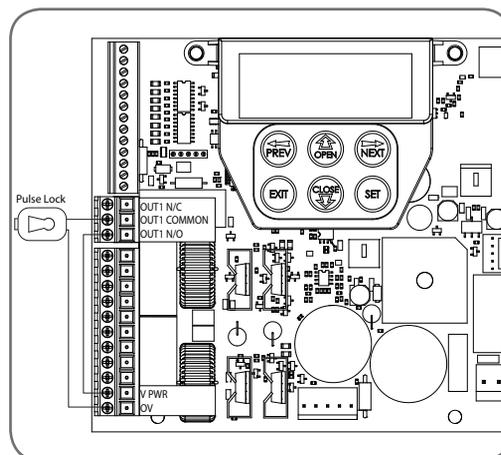
Fig 14.1
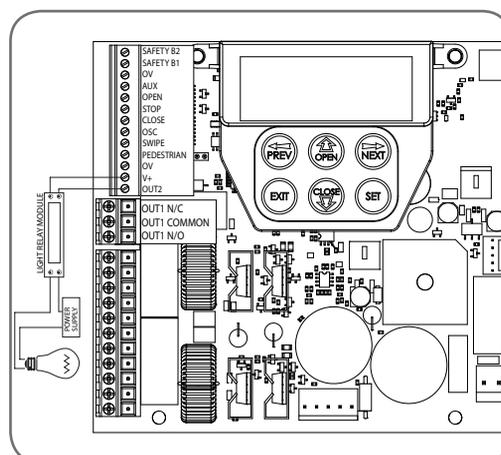
Fig 14.2
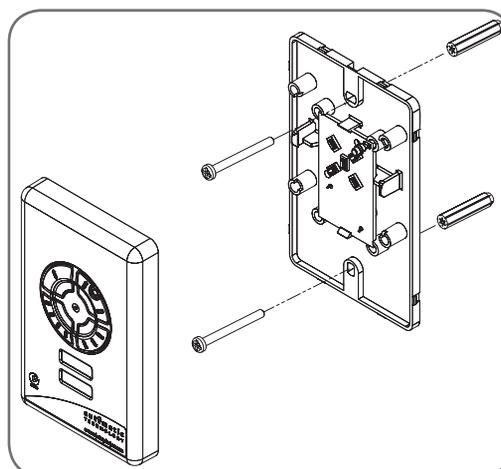
Fig 14.3

15. Specifications

Technical Specifications	
Protection rating:	IP56
24VDC accessory output	24VDC (unfiltered) 3Amp maximum
Secondary voltage:	24V AC
Motor voltage:	12 to 24V DC @ 10AMPS max combined
Receiver type:	TrioCode™128 Technology
Receiver code storage capacity:	30 x 4 Button Transmitter Codes [1]
Transmitter frequency:	433.92 MHz
Coding type:	Hopping Code
No. of code combinations:	Over 100 billion random codes
Code generation:	Non-linear encryption algorithm
Transmitter battery:	CR2032

NOTE:
1. The storage memory can be increased from 30 transmitters to 511. Contact ATA for details.

NOTE: Specifications are subject to change without notice.

16. Troubleshooting

Symptom	Possible cause	Remedy
Gate will not operate	Mains power not switched on.	Switch on mains power.
	Control Box not wired correctly	Check all wiring from motor and microswitches to the control board are sound (Section 5)
	Opener motor is disengaged	Check that the motor is engaged for automatic operation
	Gate is obstructed.	Remove obstruction.
	The opener is in "Vacation Mode"	Turn off "Vacation Mode"(Appendix C Menu 7.4).
Gate starts to close but automatically reverses to open position	Adverse weather conditions (wind or cold) causing gate to stiffen and become tight in the tracks.	Increase force margin setting (Section 9.4)
	Possible obstruction in the doorway.	Remove obstruction
Gate operates from control box but not from transmitter	Transmitter code not stored in memory.	Code transmitter in to openers memory. (Section 10.1)
	Transmitter does not contain TrioCode™128 Technology	Check the transmitter. It should have grey buttons and the model number should display V2. Contact dealer for support if otherwise.
	Flat battery in transmitter	Replace battery (Section 11.3)
	Antenna behind structure (gate or fence) or not in line of sight	Ensure Antenna is in line of sight (Section 4.2)
Gate does not close with transmitter	Safety Beam not working properly.	Make sure Safety Beams are operational. and no dirt is on the lens.
Gate will not close fully.	Gate limit positions need to be reset.	Reset limits positions.
	Gate obstructed and reverses	Clear obstruction or adjust force margin (Section 9.3)
Door will not open fully.	Gate limit positions need to be reset.	Reset limits positions. (Section 8)
	Gate obstructed.	Clear obstruction or adjust force margin (Section 9.3)
Auto-Close not working	Safety Beam not installed.	Install Safety Beam. (Refer to Safety Beam Manual)
	Safety Beam or wiring faulty.	Repair Safety Beam or replace wiring.
	Safety Beam not aligned correctly.	Re-align optics.
	Safety Beam is obstructed.	Remove obstruction from path of Safety Beams.
	Gate obstructed when closing.	Remove obstruction.
	Auto-Close time not set.	Set Auto-Close times (Section 13.3).
	Auto-Close mode not set	Set Auto-Close mode. (Section 13.2)

17. Appendix
A - Console Menu Structure

Parameter	Min	Max	Default	Step	Unit	Menu	Section
Menu 1 - Code Transmitter							
STORING TRANSMITTERS	0.0	511				1	10.1
Menu 2 - Current Trips							
Parameter (Limit Switch)							
M1 MARGIN Sets obstruction detection margin for M1	0.0	5.0	0.7	0.1	AMPS	2.1	9.3
M2 MARGIN Sets obstruction detection margin for M2	0.0	5.0	0.7	0.1	AMPS	2.2	9.3
SETTLE TIME disable the obstruction detection in the start of the cycle	0.1	2.0	1.0	0.1	SEC	2.3	
Parameter (AMP Limits							
STOP DETECT MARGIN AMPS	0.0	5.0	1.5	0.1	AMPS	2.4	Appendix H
Motor 1 Open Limit AMPS Sets Motor 1 open limit detection current	0.0	8.0	AUTO	0.1	AMPS	2.5	Appendix H
Motor 1 Close Limit AMPS Sets Motor 1 close limit detection current	0.0	8.0	AUTO	0.1	AMPS	2.6	Appendix H
Motor 2 Open Limit AMPS Sets Motor 2 open limit detection current	0.0	8.0	AUTO	0.1	AMPS	2.7	Appendix H
Motor 2 Close Limit AMPS Sets Motor 2 close limit detection current	0.0	8.0	AUTO	0.1	AMPS	2.8	Appendix H
Maximum startup amps sets maximum permitted starting current of motors	0.0	6.0	5.0	0.1	AMPS	2.9	Appendix H
Parameter (timed travel)							
Cutout AMPS maximum motor current permitted after startup	0.0	10.0	10.0	0.1	AMPS	2.10	Appendix H
Menu 3 - Auto Close							
STD AUTO-CLOSE TIME Sets and enables the standard Auto-Close time	0.0	300.0	0.0	1.0	Sec	3.1	13.1
SAFETY BEAM AUTO-CLOSE TIME Sets and enables the SB triggered Auto-Close time	0.0	60.0	0.0	1.0	Sec	3.2	13.2
PEDESTRIAN AUTO-CLOSE TIME Sets and enables the Pedestrian Auto-Close time	0.0	60.0	0.0	1.0	Sec	3.3	13.3
SAFETY BEAM PEDESTRIAN AUTO-CLOSE TIME Sets and enables the SB Pedestrian Auto-Close time	0.0	60.0	0.0	1.0	Sec	3.4	13.3
AUTO-CLOSE AFTER CLOSE OBSTRUCTION Enables Auto-Close feature after close obstructions	Off	On	Off			3.5	13.4
AUTO-CLOSE AFTER OPEN OBSTRUCTION Enables Auto-Close feature after open obstructions	Off	On	Off			3.6	13.4
AUTOCLOSE AFTER POWERUP Enables autoclose feature after powerup	Off	On	Off			3.7	13.4
Menu 4 - Lock Times							
OPEN LOCK TIME Set the time the lock is activated for on open cycles	0.0	Hold	0.5	0.1	Sec	4.1	14.1
CLOSE LOCK TIME Set the time the lock is activated for on close cycles	0.0	Hold	0.5	0.1	Sec	4.2	14.1
PRE-OPEN LOCK TIME Time the lock is activated for prior to opening	0.0	25.5	0.0	0.1	Sec	4.3	14.1
PRE-CLOSE LOCK TIME Time the lock is activated for prior to closing	0.0	25.5	0.0	0.1	Sec	4.4	14.1
Menu 5 - Light Times							
ON AFTER CYCLE LIGHT TIME - Time light remains on for after a cycle	0	255	60	1	Sec	5.1	14.2
ON BEFORE OPEN CYCLE LIGHT TIME Minimum time light is activated for prior to opening	0	255	0	1	Sec	5.2	14.2
ON BEFORE CLOSE CYCLE LIGHT TIME Minimum time light is activated for prior to closing	0	255	0	1	Sec	5.3	14.2

Appendix
A - Console Menu Structure

Parameter	Min	Max	Default	Step	Unit	Menu	Section
Menu 6 - Motor Settings							
CLOSE SYNC DELAY TIME Time delay between M2 and M1 closing	0.0	25.5	2.0	0.1	SEC	6.1	Appendix C
OPEN SYNC DELAY TIME Time delay between M1 and M2 opening	0.0	25.5	2.0	0.1	SEC	6.2	
OPEN SPEED VOLTS Voltage applied to motors when opening	12	24	22	1	VOLTS	6.3	
CLOSE SPEED VOLTS Voltage applied to motors when closing	12	24	20	1	VOLTS	6.4	
SLOW SPEED VOLTS Voltage applied to motors when slowing down	6	24	8	1	VOLTS	6.5	
SLOW TIME The time between slow down and end of cycle	0.1	10.0	3.0	0.1	SEC	6.6	
HOMING / SETUP SPEED VOLTS Voltage applied to motors when setting up the travel limits	12	24	Norm	1	Volts	6.7	
STOP PAUSE TIME Pause time used between motor direction changes	0.0	2.0	0.3	0.1	SEC	6.8	
M1 NORMAL OPEN TIME Normal open time for motor 1	0.0	60.0	0.0	0.1	SEC	6.9	
M1 NORMAL CLOSE TIME Normal close time for motor 1	0.0	60.0	0.0	0.1	SEC	6.10	
M2 NORMAL OPEN TIME Normal open time for motor 2	0.0	60.0	0.0	0.1	SEC	6.11	
M2 NORMAL CLOSE TIME Normal close time for motor 2	0.0	60.0	0.0	0.1	SEC	6.12	
M1 CLOSE DELAY Close Delay for Motor 1	0.0	25.5	0.0	0.1	SEC	6.13	
MAX OVERRUN TIME Extra time allowed for cycle to complete (beyond normal cycle time)	0	60	5	1		6.14	

Parameter	Min	Max	Default	Menu	Section
Menu 7 - Operating Modes					
SB1 TYPE	2 WIRE 3 WIRE	2 WIRE 3 WIRE		7.1	Appendix C
SB2 TYPE	2 WIRE 3 WIRE	2 WIRE 3 WIRE		7.2	Appendix C
SB1 INPUT MODE Sets the Input mode for Safety Beam 1. Only one option can be selected.	NOT USED, CLS TO REV CLS TO STOP OPN/CLS TO STOP OPEN INPUT SWIPE INPUT CLOSE INPUT PED INPUT DISABLED	NOT USED, CLS TO REV CLS TO STOP OPN/CLS TO STOP OPEN INPUT SWIPE INPUT CLOSE INPUT PED INPUT DISABLED On	NOT USED	7.3	Appendix C
SB2 INPUT MODE Sets the Input mode for Safety Beam 2. Only one option can be selected.	NOT USED, CLS TO REV CLS TO STOP OPN/CLS TO STOP OPEN INPUT SWIPE INPUT CLOSE INPUT PED INPUT DISABLED	NOT USED, CLS TO REV CLS TO STOP OPN/CLS TO STOP OPEN INPUT SWIPE INPUT CLOSE INPUT PED INPUT DISABLED On	NOT USED	7.4	Appendix C

Appendix

A - Console Menu Structure

Parameter	Min	Max	Default	Menu	Section
PED INPUT = SWIPE MODE Selects PED input functions as pedestrian access swipe input	Off	On	Off	7.5	Appendix C
OPN INPUT N/C OPERATION Selects operating polarity of OPN input	Off	On	Off	7.6	Appendix C
STP INPUT N/C OPERATION Selects operating polarity of STP input	Off	On	Off	7.7	Appendix C
AUX INPUT OPERATION	LIGHT MOTOR ENGAGED	LIGHT MOTOR ENGAGED	LIGHT	7.8	Appendix C
VACATION MODE Selects vacation mode - disables remote control	Off	On	Off	7.9	Appendix C
REMOTE CODE ENABLED Selects remote transmitter coding function	On	Off	On	7.10	Appendix C
BATTERY/SOLAR MODE Selects Battery Backup/Solar operation	BATTERY ENABLED SOLAR ENABLED	BATTERY ENABLED SOLAR ENABLED	BATTERY ENABLED	7.11	Appendix C
PASSWORD Selects password protection for all changes	Off	On	Off	7.12	Appendix C
TX # GROUPING Selects transmitter number group display format.	Off	On	Off	7.13	Appendix C
OUTPUTS 1 MODE Selects function of OUTPUT1	LOCK DRIVE LIGHT DRIVE 3 WIRE SB 0V NOT USED	LOCK DRIVE LIGHT DRIVE 3 WIRE SB 0V NOT USED		7.14	Appendix C
OUTPUTS 2 MODE Selects function of OUTPUT2	LOCK DRIVE LIGHT DRIVE 3 WIRE SB 0V NOT USED	LOCK DRIVE LIGHT DRIVE 3 WIRE SB 0V NOT USED		7.15	Appendix C
FAULT AUTO RESET	Off	On	Off	7.16	Appendix C
SBFEC MODE	AVAILABLE DISABLED	AVAILABLE DISABLED	AVAILABLE	7.17	Appendix C
Menu 8 - Diagnostics					
TEST INPUTS - Controls input display status			Inactive	8.1	Appendix D
TEST TRANSMITTERS (TX'ERS)				8.2	Appendix D
DISPLAY HISTORY				8.3	Appendix D
MEMORY USAGE				8.4	Appendix D
SERVICE COUNTER			60,000	8.5	Appendix D
EVENT COUNTER				8.6	Appendix D
Menu 9 - Memory Tools					
CLR CONTROL				9.1	Appendix E
CLR TRANSMITTERS (TX'ERS)				9.2	Appendix E
Menu 10 - Setup Travel					
SETUP LIMITS				10.1	8.1
TIME TRAVELED				10.2	Appendix H
REPROFILE TRAVEL				10.3	9.5
SET PEDESTRIAN				10.4	12.1

Appendix

B - Viewing and Editing Parameters

View Mode (No cursor)

Parameter number in list

Parameter name

2: Close Lock
Time (SEC) 0.5

Parameter value

Enter Edit Mode

Displays next parameter in list

Displays previous parameter in list

Returns back to menu

Enter Edit Mode

Fig B.1

Edit Mode (Cursor shown)

Cursor shown

2: Close Lock
Time (SEC) 0.5

Displays "Load Default?" screen, giving option of loading default value

Increase value

Saves new value and exits back to View Mode

Decrease value

Displays "Load Default?" screen, giving option of loading default value
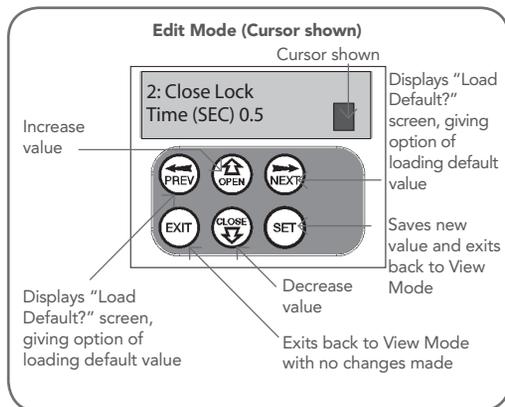
Exits back to View Mode with no changes made

Fig B.2

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

Locating parameters
Refer to Appendix A for Consile Menu Structure. Locate the required parameter and note the MENU number. The example used in **(Fig. B.1)** displays "CLOSE LOCK TIME"

Changing Setting
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 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.
e. Press SET to SAVE setting.

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

Return To Menu
If the parameter values are not to be changed, press EXIT to return to sub menu. Press EXIT 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 6. Motor settings
Motor speed
The motor settings adjust various aspects of the gate travel. When a single gate installation is used the SYNC DELAY TIMES and M2 settings are ignored. The default value for the CLOSE SYNC DELAY time is automatically calculated for LIMIT SWITCH/AMP TRAVEL installations. The value calculated is selected so that the delay between M2 and M1 reaching the close position is equal to the OPEN SYNC DELAY TIME. The MAX OVERRUN TIME is set to 0 for TIMED TRAVEL installations.

Menu 7. Operating Modes
Menu 7.1 First (SB1) Safety Beam Type
Select what type of Safety Beam (2 WIRE or 3 WIRE). 2 WIRE is default.

Menu 7.2 Second (SB2) Safety Beam Type
Select what type of Safety Beam (2 WIRE or 3 WIRE). 2 WIRE is default.

Menu 7.3 First (SB1) Safety Beam Response Mode
The Safety Beams input can be configured to respond in one of eight modes.
   i. **Not Used**
   ii. **Close to Reverse** In this mode, the Safety Beam input has no effect when opening but will cause the gate to reverse if activated when closing.
   iii. **Close to Stop** In this mode, the Safety Beam input has no effect when opening but will stop the gate when closing.
   iv. **Open and Close to Stop** In this mode, all cycles are prevented from being completed or initiated when the Safety Beam input is active.
   v. **Open input** In this mode, open cycle is initiated when the Safety Beam is activated.
   vi. **Swipe input** In this mode, open cycle is initiated when the Safety Beam is activated.
   vii. **Close input** In this mode, close cycle is initiated when the Safety Beam is activated.
   viii. **Ped input** In this mode, ped cycle is initiated when the Safety Beam is activated.
   ix. **Disabled** In this mode, Safety Beam is disabled.

Menu 7.4 Second Safety Beam (SB2) Response Mode
Same as above menu 7.3

Menu 7.5 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 7.6 Open (Opn) Input
(Activated by OPN terminal with N/O switch, by transmitter button with OPN function assigned or by console's UP button) Activating the OPN input will cause the gate to open. Holding the input will prevent closing.

Menu 7.7 Stop (STP) Input
(Activated by STP terminal with N/O switch, by transmitter button with STP function assigned or by console's EXIT button) Activating the STP input while the gate is moving will cause the gate to be stopped. If the STP terminal is held it will prevent the gate from being moved.

Menu 7.8 AUX Input
Is Default to Light, however can be changed to Motor Engaged.

Menu 7.9 Vacation Mode
Vacation mode can be turned on or off using this parameter. DCB-05V2 supports a Vacation mode where remote control access is disabled. 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 seconds). When activated any transmitter button which is assigned VAC will be ignored. To turn the Vacation mode off, simple press a transmitter button with the VAC function assigned (Only requires a brief activation). Vacation mode can also be turned on or off manually by editing the VACATION MODE parameter. DCB-05V2 can be instructed, via the pedestrian control feature, to partly open and provide pedestrian access but prevent vehicle access. This is achieved by partly opening the motor 1 gate leaf. If dual motors are used, motor 2's gate leaf is held closed. The partly open position of motor 1's gate leaf is initially set to a position halfway between open and closed. This initial position can be adjusted by the installer to any position within the gates travel range by selecting a pedestrian access travel time (from closed). The setting is accessed from "MENU 10.4 Set Pedestrian". The time is adjustable in 1 second steps

Menu 7.10 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.

Menu 7.11 Battery / Solar Mode
The controller can be instructed to turn off the Battery Backup / Solar facilities so that the control board can be shut down without having to disconnect the Battery Backup / Solar system.

Menu 7.12 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.

Appendix
C - Control Board Adjustments

Menu 7.13 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.

Menu 7.14 Output1 Mode
AUX output can be selected to be driven by:
    i. **Lock Drive:** Lock output can be programmed for both hold and pulse mode. The operation of the lock can be programmed to activate prior to the gate and behave differently on open cycles to that on close cycle.
    ii. **Light Drive:** a light relay module can be connected on the console between V+ and OUT2 terminal which will turn the courtesy light on and off.
    iii. **3 Wire Safety Beam 0V:**
    iv. **Not Used**

Menu 7.15 Output2 Mode
AUX output can be selected to be driven by:
    i. **Lock Drive:** Lock output can be programmed for both hold and pulse mode. The operation of the lock can be programmed to activate prior to the gate and behave differently on open cycles to that on close cycle.
    ii. **Light Drive:** a light relay module can be connected on the console between V+ and OUT2 terminal which will turn the courtesy light on and off.
    iii. **3 Wire Safety Beam 0V:**
    iv. **Not Used**

Menu 7.16 Fault, Auto Reset
When selected, the controller will reset any fault automatically.

Menu 7.17 Safety Beam Failure Emergency Close Mode (SBFEC)
When a safety beam prevents movement due to any reason other than a 'real' obstruction, the user can secure their property by pressing and holding a button on the remote control or OSC on the console. The button must be held active for more than five seconds to activate this mode and hold the button for the entire duration of close cycle.

Appendix
D- Diagnostic Tools

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.
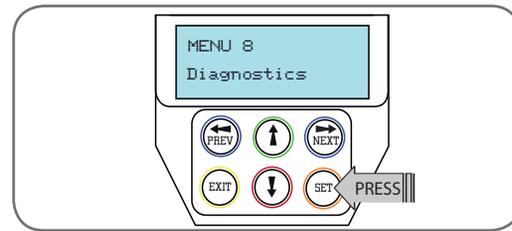d. Press SET to select.

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 EXIT. The example shows the status as OSC input is active.
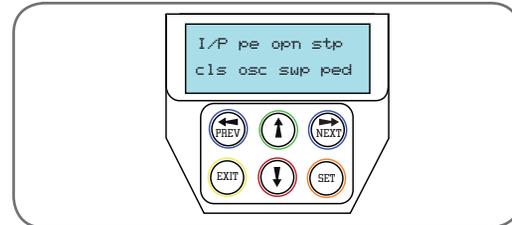
Menu 8.2 Test Transmitters (Tx'ers)
This tool is used to test receiver/transmitter functionality. When selected, a screen is displayed which prompts for a transmitter button to be pressed **(Fig. D.3)** and whether ID or serial numbers are to be displayed.
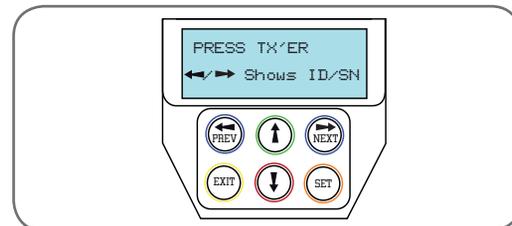
DCB-05V2 will then beep each time a transmission is received. If the transmitter button is stored in the DCB-05V2's memory and has a function assigned to it, a second screen will be displayed that shows the transmitter details along with the button pressed **(Fig. D.4)**. The example shows the case where transmitter number 12 is activated by button 4. Note ID is selected for display.
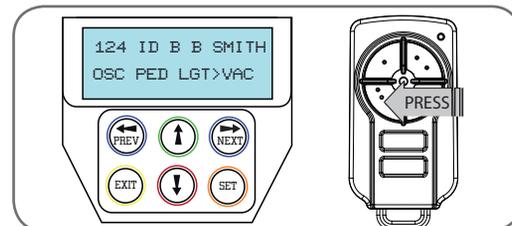
Menu 8.3 Display History
DCB-05V2 keeps a record of the last 64 events that have taken place. The events include the type of drive cycles executed, obstruction detection, various faults, power failures etc. When this tool is selected, the screen displays the last event that occurred **(Fig. D.5)**. Press 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 gate. When finished viewing the events, press EXIT.
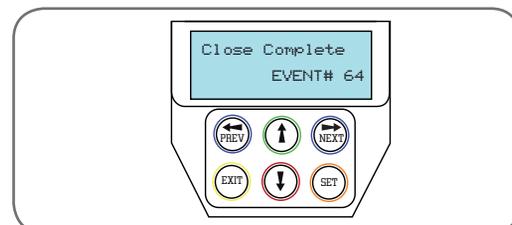
Menu 8.4 Memory Usage
This tool displays the number of transmitter store locations used and the number free.

Fig D.1

Fig D.2

Fig D.3

Fig D.4

Fig D.5

Appendix

D- Diagnostic Tools

Menu 8.5 Service Counter

DCB-05V2 provides a periodic service counter which can be set to expire after a number of drive cycles. When expired, DCB-05V2 will beep 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 PARAMETER VIEWING AND EDITING). If the service counter is not to be used, it can be set to the maximum number (60,000).
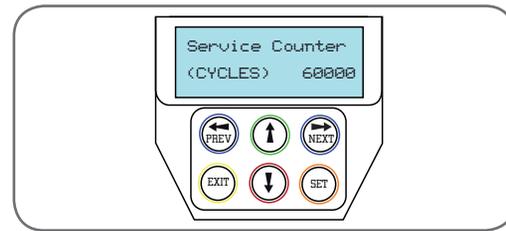
Menu 8.6 Event Counters

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. D.8)**. Press NEXT or PREV to step through the list. The example shows the OPEN CYCLE event counter with a value of 1234. When finished viewing press EXIT.
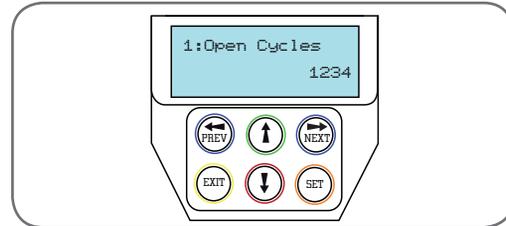
Fig D.7

Fig D.8

1: Open Cycles	2: Close Cycles
3: PED Cycles	4: Warranty Cycles
5: Setup Limits	6: Overlaps
7: M1 Open Obstuctions	8 M2 Open Obstuctions
9: M1 Close Obstuctions	10: M2 Close Obstuctions
11: M1 Open Overloads	12: M2 Open Overloads
13: M1 Close Overloads	14: M2 Close Overloads
15: M1 Volts Faults	16: M2 Volts Faults
17: M1 AMP Faults	18: M2 AMP Faults
19: Supply High Faults	20: Supply Low Faults
21: M1 AMP Trip	22: M2 AMP Trip
23: 3W Limit Faults	

Appendix

E - Memory Tools

The Memory Tools accessed from within Menu 9 are used to backup, restore or clear the controller. 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 gate 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.
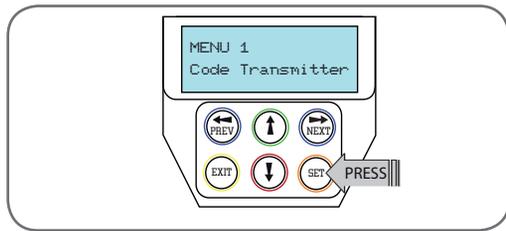
Menu 9.2 Clear Transmitters (Tx'ers)

This option will clear the transmitter storage memory.

Appendix

F- Transmitter Editing

Fig F.1

```
MENU 1
Code Transmitter
```
PREV ↑ NEXT
EXIT ↓ SET PRESS

Fig F.2

```
MENU 1
Code Transmitter
```
PREV ↑ PRESS
EXIT ↓ PRESS

Fig F.3

```
123 ID A B SMITH
OSC PED LGT VAC
```
PREV ↑ PRESS
EXIT ↓ PRESS

Fig F.4

```
124 ID A B SMITH
OSC PED LGT VAC
```
PREV ↑ PRESS
EXIT ↓ PRESS

Fig F.5

```
124 SN123456789
OSC PED LGT VAC
```
PREV ↑ NEXT PRESS
EXIT ↓ SET

Fig F.6

```
124 ID B B SMITH
56789 ABCDEFGHIJ
```
PREV ↑ NEXT
EXIT ↓ SET

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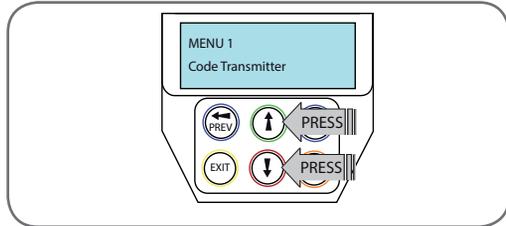
Editing Button Function Field
a. Press NEXT or PREV to move the cursor to the left or right and between the top and bottom lines to select the desired field.
b. Press UP or DOWN arrows to change the displayed value **(Fig. F.2)**. The available functions are shown below. Selecting OFF will prevent the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

Available functions

|	
VAC (Vacation Mode)	LGT (Courtesy Light)
STP (Stop)	OPN (Open)
CLS (Close)	SWP (Swipe)
PED (Pedestrian access)	OSC (Open/Stop/Close)
OFF (No action)	
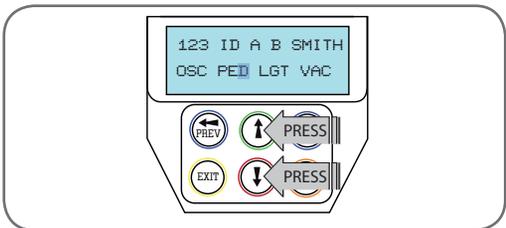
c. Press SET to save changes or press NEXT or PREV to move to the next field. The example in **(Fig. F.3)** shows that PED is assigned to the transmitter button 2. The transmitter in the example is transmitter number 123 which has the ID label AB Smith.

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 EXIT to continue editing.
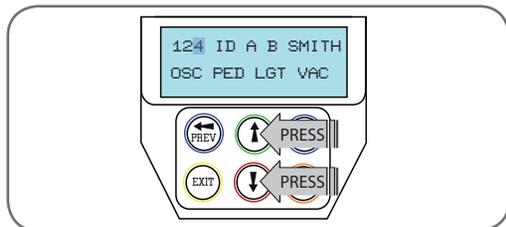
Editing The Store Location
This feature is only available when coding the first button of a new transmitter.
a. Press NEXT or PREV to move the cursor over Store No. **(Fig. F.4)**
b. Press UP or DOWN arrows to select new Store No.
c. Press SET to Confirm or NEXT/PREV to move to the next field.

This is useful when managing transmitters using a scheme which ties the store location to the transmitter's owner.
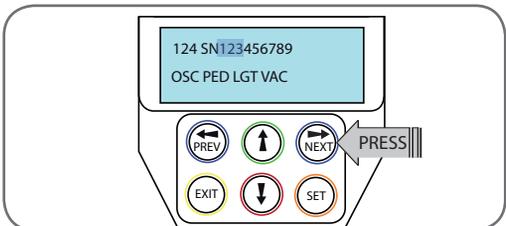
Selection Of ID or Serial Number Display
a. Press NEXT to navigate to the Menu 1 "Code Transmitter".
b. Press SET to enter the transmitter edit procedure.
c. Press NEXT to enter transmitter list and edit mode.
d. Press NEXT/PREV to move the cursor over the ID field.
e. Press NEXT to reveal the Serial Number **(Fig. F.5).**

The serial number display is provided for additional means of identification. The transmitter in this example has serial number 123456789.
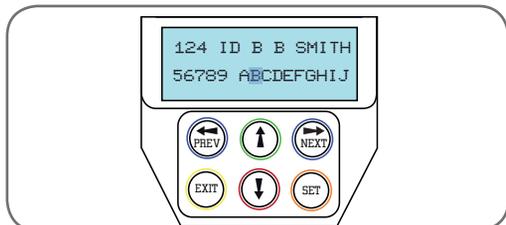
Editing A Character Field
a. Press NEXT or PREV to move select character.
b. Press UP or DOWN arrows to scroll through and select a new character. **(Fig. F.6)**
c. Press NEXT or PREV to move to the next character.
d. Repeat step b.
e. Press SET to record changes.

The second line of the display shows a list of available characters with the current value indicated at the cursor position.

Appendix
G- Transmitter Managment

Transmitter Listing Facility
DCB-05V2 provides a transmitter listing facility which enables the user to find a transmitter location within 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)**.
a. Press SET to enter the transmitter edit procedure.
b. 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
c. Press NEXT to navigate to Menu 1 **(Fig. G.1)**.
d. Press SET to enter the transmitter edit procedure.
e. Press the transmitter once **(Fig. G.2)**.
f. 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 UP or DOWN arrows 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 EXIT to return to the list.
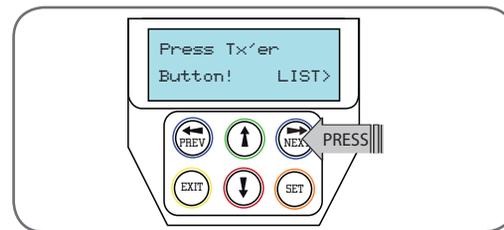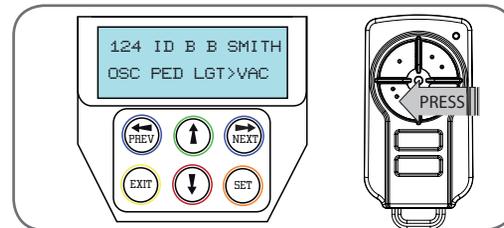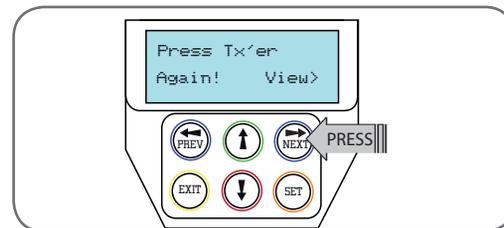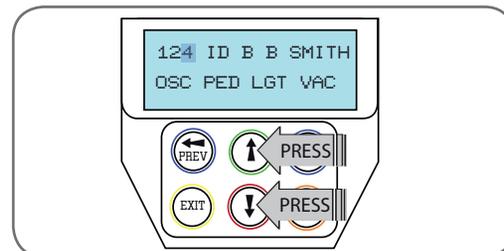c. Press SET to execute the menu's operation.

Fig G.1

Fig G.2
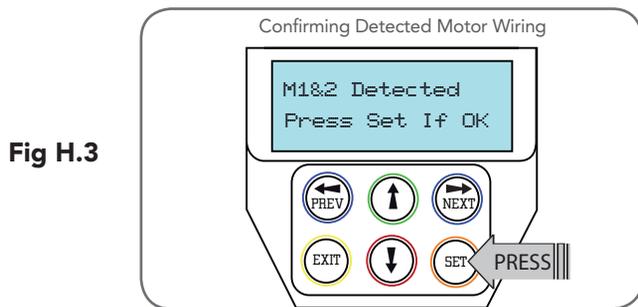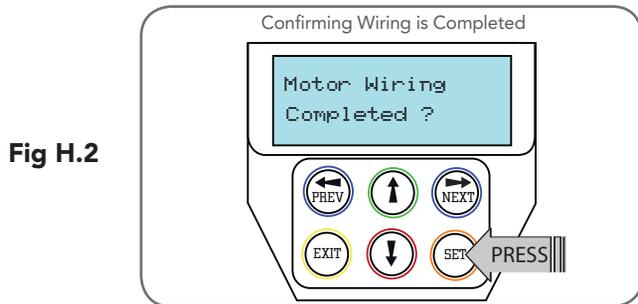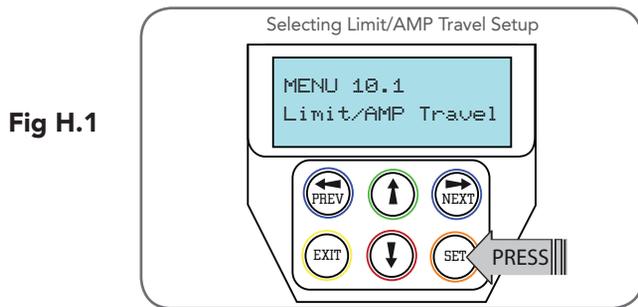

Fig G.3

Fig G.4

Menu Option	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.
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 (Appendix F) 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 EXIT button.
Exiting The List	To exit the transmitter list, simply press EXIT to return to the Code menu.

Fig G.5

Appendix
H- AMP Travel (2 Wires Setup)

Fig H.1

Selecting Limit/AMP Travel Setup

```
MENU 10.1
Limit/AMP Travel
```

PREV ↑ NEXT
EXIT ↓ SET — PRESS

Fig H.2

Confirming Wiring is Completed

```
Motor Wiring
Completed ?
```

PREV ↑ NEXT
EXIT ↓ SET — PRESS

Fig H.3

Confirming Detected Motor Wiring

```
M1&2 Detected
Press Set If OK
```

PREV ↑ NEXT
EXIT ↓ SET — PRESS

Fig H.4

```
Is Gate Open?
```

PREV ↑ NEXT
EXIT ↓ SET — PRESS

Reprofiling Travel
a. 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 gate(s) change due to mechanical adjustments etc. To initiate a re-profile, simply locate "MENU 10.3 Reprofile Travel", press SET and follow the prompts. The gate(s) will start to move and re-calculate force margins. The gate(s) can move between the open and close limit positions up to two (2) times (depending on the position of the gate(s) and the power up condition).
b. A single beep will be heard once the process is complete.
c. Test the force again as per "Safety Obstruction Force Test" (Section 9.1 and 9.2)..

PLEASE NOTE, THE FOLLOWING INSTALLATIONS ARE FOR 2 WIRE SETUPS ONLY

Selecting The Number Of Motors
a. Press NEXT to navigate to Menu 10.1.
b. The DCB-05 will now prompt for the number of motors connected to be entered.
c. Use the UP or DOWN arrows to select the correct number and then press SET **(Fig. H.1)**.
d. Press EXIT.

Navigating To "Limit/AMP Travel Menu"
a. Press NEXT to navigate to Menu 10.
b. Presee SET to locate Menu 10.1.
c. Press SET again to start the limit setting procedure .
d. DCB-05V2 will prompt you to confirm that the motor wiring is complete **(Fig. H.2)** and that the gate(s) are at fully open position and engaged.
e. Press SET to confirm.
f. DCB-05V2 will now automatically detect the type of drive unit used by the number of wires used. If the correct number of wires is displayed then press SET to continue otherwise press EXIT and check the wiring.
g. DCB-05V2 will now automatically detect if one or two motor are connected. If the correct number is displayed then press SET to confirm. Otherwise press EXIT and check the wiring **(Fig. H.3).**

Test and Adjust Stop Detection
For this type of installation the DCB-05V2 detects the travel limits by sensing a motor current trip when the mechanical stop is reached.
NOTE: If a dual gate installation is being used, complete steps for motor 2 and then motor 1.

a. To Setup Limits follow the instructions on the LCD display.
b. Open the gates fully and engage the motors.
c. Using the UP and DOWN arrows drive the gate using one continuous movement stopping just before the mechanical stop.

NOTE: If the motor drives in the wrong direction (UP closes gate / DOWN opens gate) the motor wires need to be swapped over.

Confirming Settings
When the settings have being adjusted correctly, drive the gate to the open stop.
a. Press the SET Key
b. In order to run automatic profiling the DCB-05V2 will prompt you to confirm the gate leaf is in the open position.
c. Press SET to confirm or press EXIT to go back and drive the gate open **(Fig. H.4)**.

Automatic Profiling
After a brief pause DCB-05V2 will automatically close and open gate several times and learn the gates load and travel characteristics.

⚠️ **WARNING: The gate will automatically close and open. Ensure that no persons or objects are in the gates path.**

When the setup is complete the MAIN SCREEN will be displayed with the gate shown to be OPEN. The Gate can now be used.

Appendix
H - Time Travel 2 Wire Setup

This section shows how to set the travel times when using drive units with slip clutches etc. Two methods are available for setting up the travel times. The first allows the installer to drive the motor(s) so that the actual travel time can be recorded. The second allows exact times to be entered.

NOTE: The limit setting procedure can be aborted at any time by pressing EXIT.

Navigating To "Timed Travel Menu"
a. Press NEXT to navigate to Menu 10.
b. Presee SET to locate Menu 10.2.
c. Press SET again to start the the setup **(Fig. H.5)**
d. Confirm that the motor wiring is complete. Press SET to continue.
e. No current trip obstruction detection is available when using timed travel. Press SET if you accept this **(Fig. H.6)**.
f. Enter the number or motors by using the UP or DOWN key to select the correct number and then press SET.

Selecting Setup Method
a. DCB-05V2 will now prompt for the setup procedure to be selected. There are 2 methods **(Fig. H.7)**;
    i. DRIVE MOTORS = Press SET to continue
    ii. ENTER TIME PARAMETERS = Press EXIT to continue

DRIVE MOTORS
Adjusting Gate Leaf Synchronising Delays.
(Dual gate installations only)
DCB-05V2 will prompt for you to edit the gate leaf synchronising delays. The settings are used to introduce a delay between when the motors start so that overlapping gates are opened and closed in the correct order.
a. Press SET to access the gate leaf synchronising delay parameters
b. Follow LCD display to edit delay.

Confirming Gate Is Open
DCB-05 will now prompt for you to confirm that the gate is open.
a. If the gate is open press SET and continue.
b. If the gate is closed Press EXIT and DCB-05 will now prompt for the gate to be opened.
    i. Press and Hold the UP key until the gate is open. When the UP key is released the motor(s) will stop and you will be asked if the gate is open.
NOTE: If the motor drives in the wrong direction the motor wiring needs to be swapped.

Setting Close Cycle Drive Time
To set the close cycle drive time press and hold the DOWN key until the gate is driven fully closed. **(Fig H.9)**
NOTE: If the motor drives in the wrong direction the motor wiring needs to be swapped.

Setting Open Cycle Drive Time
To set the open cycle drive time press and hold the UP key until the gate is driven fully open.

Confirming Settings
Press SET to confirm or EXIT to restart from Confirming gate is open. Once the setting have been SET and the main screen is displayed, the gate is ready for use.

ENTER TIME PARAMETERS
When the ENTER TIMES method is selected a list of parameters is provided to configure the gates travel. The parameters provided are listed below in **Fig H.8** with a brief description.
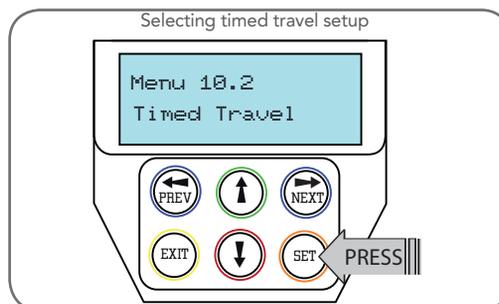

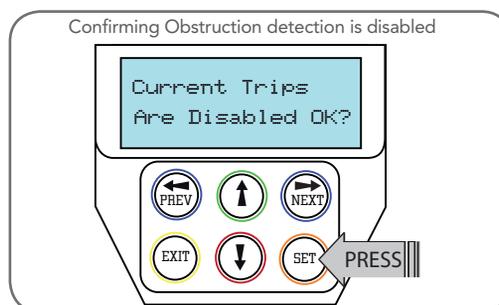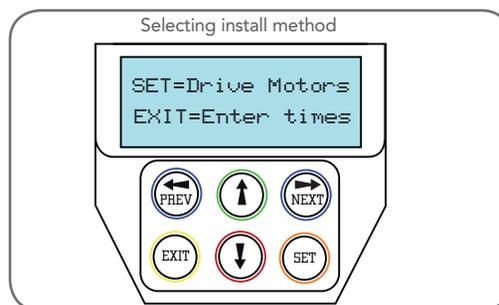Selecting timed travel setup

Menu 10.2
Timed Travel

Fig H.5

Confirming Obstruction detection is disabled

Current Trips
Are Disabled OK?

Fig H.6

Selecting install method

SET=Drive Motors
EXIT=Enter times

Fig H.7

Parameter	Description
M1 Normal Open Time	Sets Open drive time for M1
M1 Normal Close Time	Sets Close drive time for M1
* M2 Normal Open Time	Sets Open drive time for M2
* M2 Normal Close Time	Sets Close drive time for M2
* Close Sync Delay	Sets Delay before M1 is started on closed cycles
* Open Sync Delay	Sets Delay before M2 is started on open cycle

Fig H.8

* Only used for dual gate installations. Once the parameter values have be set press EXIT and the main screen is displayed, the gate is ready for use.
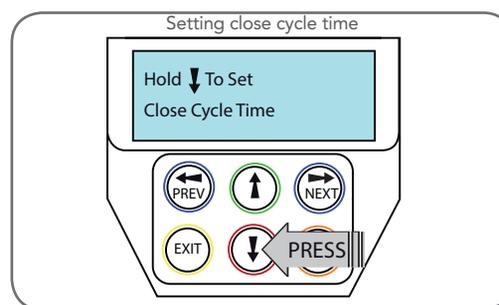

Setting close cycle time

Hold ↓ To Set
Close Cycle Time

Fig H.9

18. 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@automatictechnology.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 DCB-05V2 Control System (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 at least 24 months after the date of purchase (as evidenced by the sales docket receipt),or 5000 cycles, which ever occurs firts and
(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. For 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; and
(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 gate used with the Product not being in safe working order and condition;
(h) repairs which are not authorised by ATA;
(i) any failure to install or maintain the Product in accordance with the instructions supplied with the Product;
(j) any use which is not in accordance with the instructions provided with the Product;
(k) deliberate or negligent damage to the Product;
(l) any unauthorised modification to the Product;
(m) faulty or unsuitable wiring in the building in which the Product is installed;
(n) damage caused by insects;
(o) any cost or expense relating to the recall of the Product;
(p) installation of a residential gate opener in a commercial or industrial situation or in a dwelling other than a single-family dwelling;
(q) radio or electrical interference; or
(r) acts or omissions of any person (including service providers approved by ATA) 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. 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.
20. 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.
21. 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 or gate.
2. This Warranty is to be read in conjunction with the owner's copy of the installation instruction manual.

automatic TECHNOLOGY

Automatic Technololgy (Australia) Pty Ltd
ABN 11 007 125 368

6-8 Fiveways Boulevard
Keysborough, Victoria, 3173, Australia

P 1300 133 944

  +61 3 9791 0200 (International Enquiries Only)

E sales@automatictechnology.com.au

www.automatictechnology.com.au

SMART
SIMPLE
SECURE