

Automation Systems AUSTRALIA

Premies SW24

Advanced Digital Swing Gate Controller

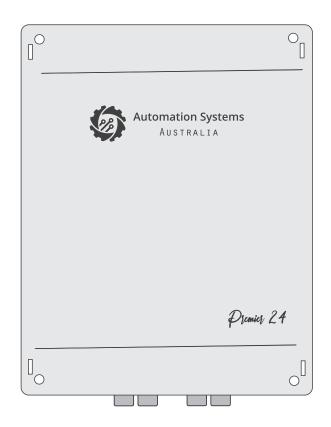




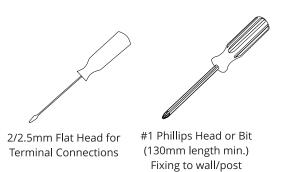
Table of Contents

30

Warranty Terms

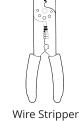
1	Specifications, Dimension and Tools Required
2	Step By Step Installation Guide
3	Installation Layout/Wiring Layout
4	Controller Layout and Display Screen Status
5	Gate Motor Operating Logic, Internal Limit Switched (Series) motor Connection Brief
6	No limit Switch and External Limit Switch Motor Connection Brief
7	CERO Standalone Solar System Connection
8	Battery Backup Connection, Power Transformer Connection
9	DECEL and OBST.F Trim pot Adjustments, System Menu Hierarchy
10	Basic Menu (operating logic)
11	Basic Menu continued (remote/wireless learning, automatic closing time, working time learning and Motor Test)
12	Core Menu (manual time adjustments, single gate mode, defaulting, release torque)
13	Core Menu continued (direct limit, opening edge, closing edge, photocell, stop)
14	Core Menu continued (kickback stroke, soft start, series limit switch, receiver mode, automatic lock)
15	Core Menu continued (special detector, light mode)
16	Remote Learning (detailed)
17	Remote Usage, Enrolment, Wireless Keypad Learning (detailed)
18	Automatic Closing Timer
19	Motor Test
20	Learn Time for Double Gates
21	Learn Time for Single Gates
22	Advanced Learn Time for Double and Single Gates
23	Photocells Dukie and Dukie+
24	Special Detector Dukie and Dukie+
25	Fortress Automatic Locks, Light Output
26	Tekno Wi-Fi Switch, Loop Detector, Digital Weekly Timer
27	Tekno K1 Wired Keypad, Push Button, Tekno GSM Intercom,
28	Emergency Stop, amplify antenna
29	Fill In Enrolment List

Tools Required





(not essential)



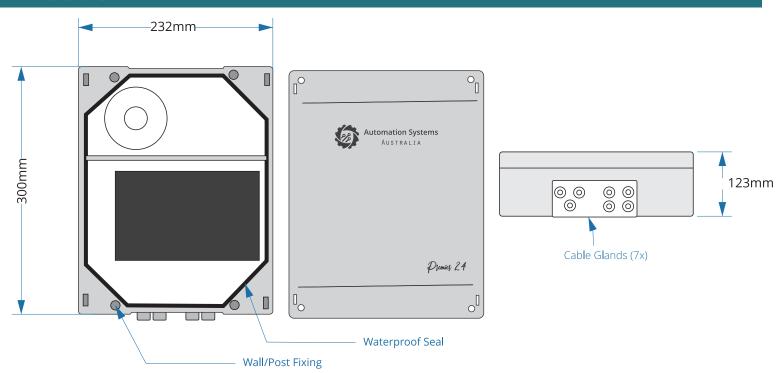


Drill and Drill Bits

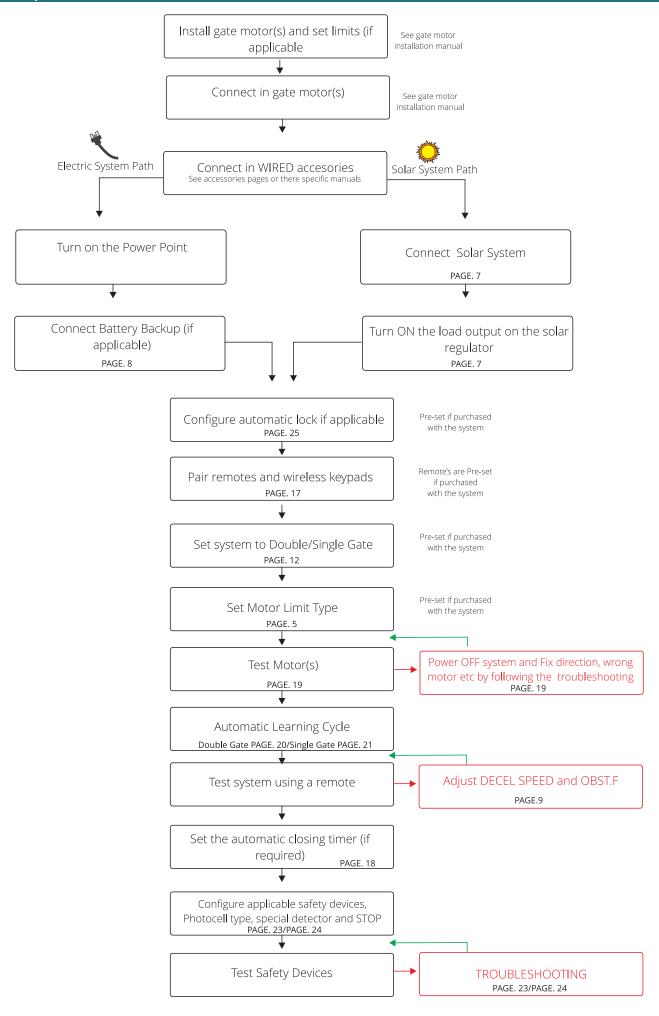
Specifications

Operating Voltage	24V AC/24V DC
Standby Consumption	~20mA
Battery Backup	Yes
Motor Outputs	TWO (Total Max. 12A)
Motor Limit Support	Direct to PCB, Wired In series and No Limits
Automatic Lock Support	YES, Electric and Magnetic Locks (24V) (Max. 2A)
Light Output	Yes (Max 1A)
Accesories Power	12V DC (250mA)
Safety Inputs	Photocell, Detector, Safety Edge
Operation Temprature	-10°C to +60°C
Remote Button Capacity	192
Duty Cycle	70%

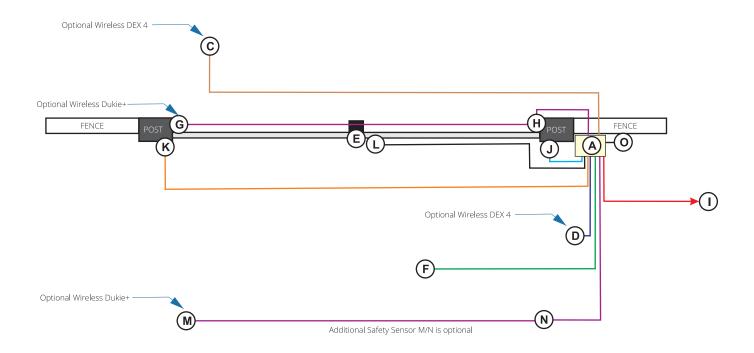
Dimensions



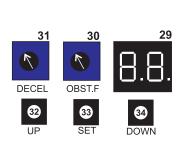
Step by Step Installation Guide



Installation Layout



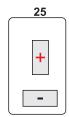
Number	Accesory	Requirments
А	Gate Controller	Power by mains, outdoor transformer or Solar
С	Entry Keypad	Dex 4 (wireless), All others wired to gate controller by 4 core cable
D	Exit Keypad	Dex 4 (wireless), All others wired to gate controller by 4 core cable
Е	Driveway Ground Stop	Double Swing Gates Only, Single Swing Gate should have stop on gate post
F	Induction Loop	Housed inside gate controller with 1 core cable for the driveway loop
G	Photocell Transmitter	No cable required for Dukie+, Standard Dukie 2 core Cable to gate controller
Н	Photocell Receiver	4 Core cable to gate controller
I	Gate Controller Power Source	Mains, Outdoor Transformer or Solar Panel to the Gate Controller
J	Motor "2"	Master Motor typically 2 core cable to gate controller
К	Motor "1"	Slave Motor (NOT USED SINGLE GATE) typically 2 core cable to gate controller
L	Fortress Automatic Lock	2 core cable to gate controller
М	ADDITIONAL Photocell Transmitter	Optional Additional Safety Device, No cable required for Dukie+, Standard Dukie 2 core Cable to gate controller
N	ADDITIONAL Photocell Receiver	Optional Additional Safety Device, 4 Core cable to gate controller
0	Automatic Light	2 core cable to gate controller



- 29. Digital Display
- 30. Obstacle Detect Adjustment (OBST.F)
- 31. Slow Speed Adjustment (DECEL)
- 32. UP Button
- 33. SET/OK Button
- 34. DOWN Button

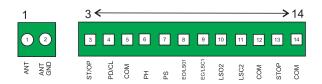




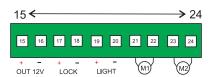




- 25. Battery Terminal
- 26. Battery Output Fuse (Blade 25A)
 27. 24V AC Input Fuse (Blade 25A)
- 28. 24V AC Input/ 24V DC Solar REGULATOR Input



- 1. Antenna 2. ANT GND
- 3. Start/Open Input (N/O Circuit)- Set by operating logic
- 4. Pedestrian/Close Input (N/O Circuit)
- 5. COMMON to 3,4,6,7
- 6. Photocell Input (Configurable for N/O or N/C Circuit)
- 7. Special Detector
- 8. OP Edge/LSO-1 (open edge device or DIRECT LIMIT M1 Open)
- 9. CL Edge/LSC-1 (close edge device or DIRECT LIMIT M1 Close)
- 10. LSO-2 DIRECT LIMIT M2 Open
- 11. LSC-2 DIRECT LIMIT M2 Close
- **12.** COMMON to 8,9,10,11
- 13. STOP Input (Configurable for N/O or N/C Circuit)
- 14. COMMON to 14



- 15. +12V DC Accessories (Regulated)
- 16. -12V DC Accessories
- 17. Lock Output + (Transformer voltage)
- 18. Lock Output -
- 19. Light Output + (Transformer voltage)
- 20. Light Output -
- 21-22 M1 Terminal (SLAVE)
- 23-24. M2 Terminal (MASTER/SINGLE GATE)

Display Screen Status

General



Standby



Opening

Fast Speed 0.5 Second Flash Slow Speed 1 Second Flash



Closing

Fast Speed 0.5 Second Flash Slow Speed 1 Second Flash



Battery Backup Mode (Flashes)



Automatic Closing Timer

Safety Status



Photocell Input Active



STOP Input Active



Photostop Input Active (Special Detector)



Detector Input Active (Special Detector)



Edge Input Active (Opening Edge)



Edge Input Active (Closing Edge)

Operating Input Status









Start Input Active



Pedestrian Input Active



Close Input Active

Operating Logic



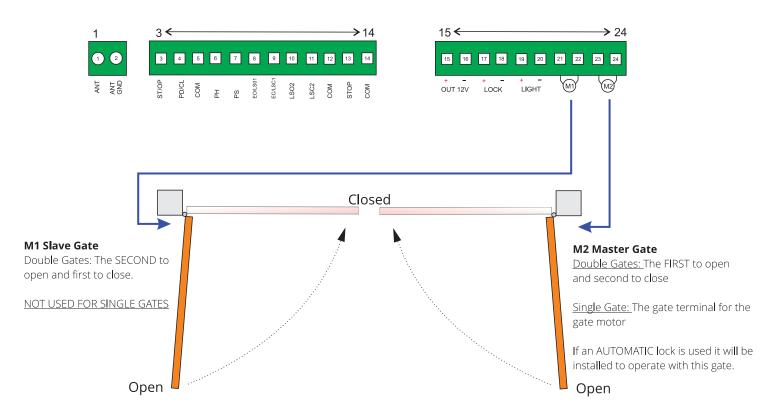








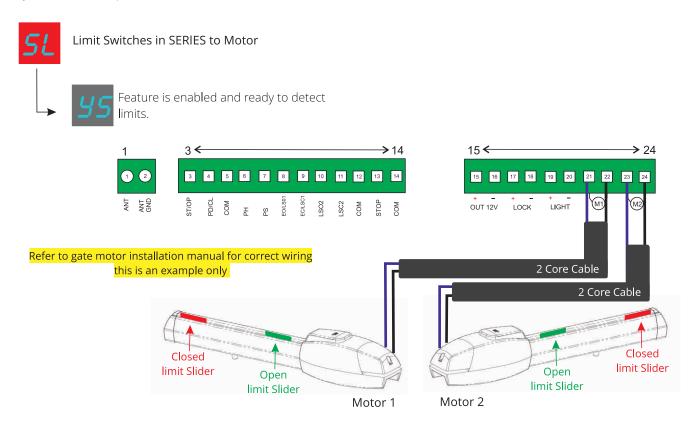
Gate Motor Logic



Internal SERIES Limit Switch Gate Motor Connection

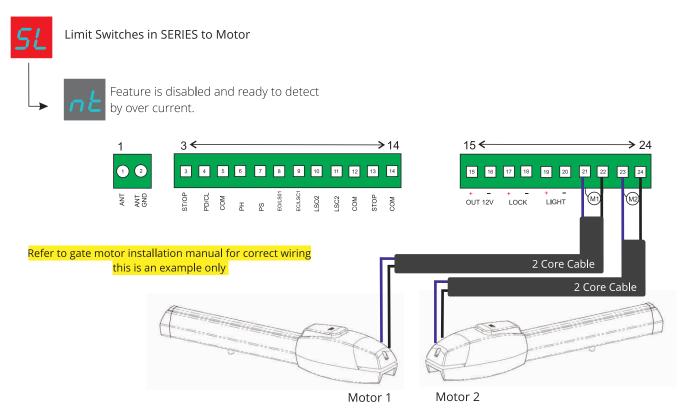
COMMANDO, BANDIT and DINGO Series Motors

Majority of Automation Systems Australia supplied equipment uses the pre-wired method illustrated below which is limit switches in each motor and an internal control card, this method is superior due to conservation on cable and labour and preserves a tidy hassle free setup.



No Limit Switch/Overcurrent Gate Motor Connection

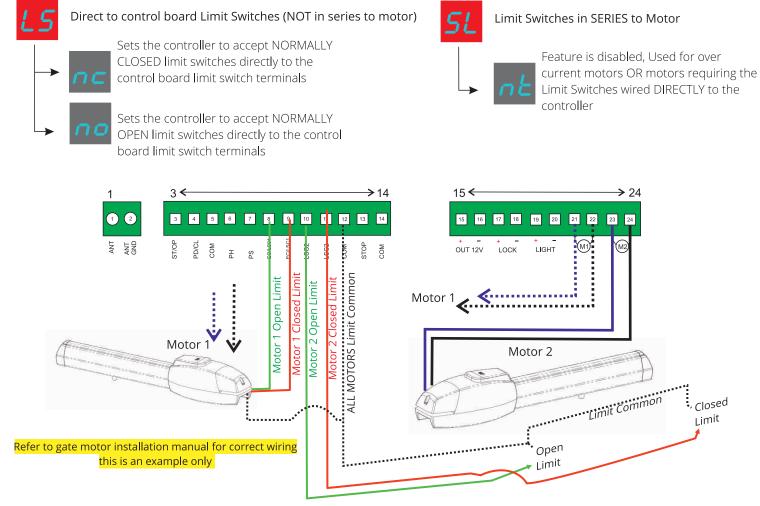
In the case where the gate motor does not use a limit switch or you wish to install without the use of limit switches please follow the illustration below.



External Wiring Limit Gate Motor Connection (5/6 Wire Gate Motors)

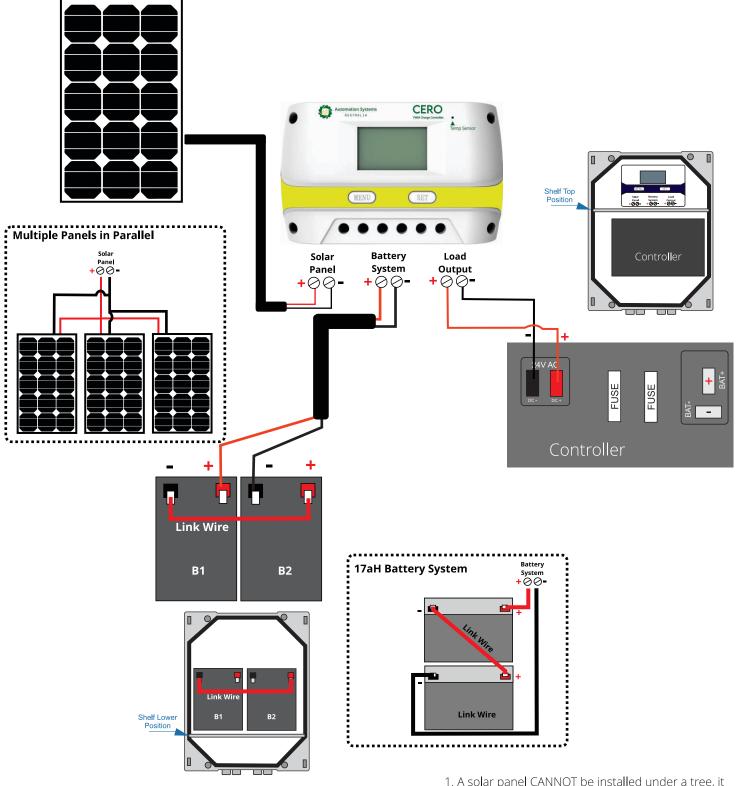
Not typically used BUT each motors limits COULD be wired in the below configuration if the need arises.

This would require the system to be configured as follows



CERO Standalone Solar System Connection

A standalone solar system is a totally off grid solution used for green energy initiatives or simply when its not possible to run power to the gate system. To conserve power constant power draw devices such as wired keypads and magnetic locks are not to be used. The alternatives are wireless keypads (use there own batteries) and electric locks (only powered for two seconds per cycle).







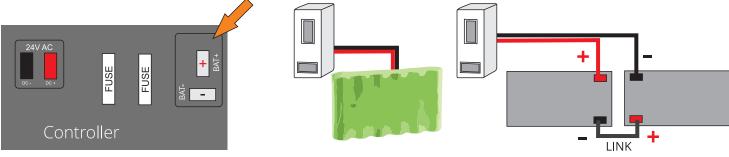


- 1. A solar panel CANNOT be installed under a tree, it requires sun to charge and maintain the batteries.
- 2. A solar system is often maintenance free BUT the batteries may require a external charge in the winter months due to lack of sun (rare).
- 3. Constantly powered accessories such as wired keypads will increase the standby current draw, solar panel or battery upgrades may be required if sufficient collection is not achieved.

Battery Backup Connection

The battery backup will allow for uninterrupted usage in case of a power disruption. The battery backup system can operate the gate for a period of 24 to 36 hours during the power disruption. Once the power is restored the system will automatically recharge the battery system ready for the next use.

Note: When in battery backup mode the slowdown is disabled automatically to overcome any difference in speed.



Battery Pack

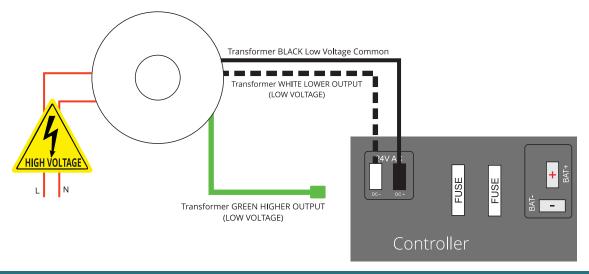
To connect the battery backup simply plug the two pin connector in the correct orientation into the battery port on the controller.

SLA Batteries

To connect the battery backup plug in the spade connectors according to the above illustration then plug the two pin connector in the correct orientation into the battery port on the controller.

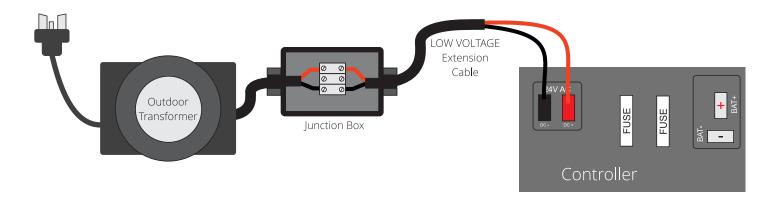
Multi Output Toroidal Transformer (Internal)

The transformer on a mains powered system is the primary source of power, it takes the high voltage input and transforms to low voltage which is connected to the controller. By default the controller uses the lower of the two outputs (white wire) which is typically suggested for most gate installs however incase required due to environmental forces it would be suggested to swap the lower output (white wire) for the higher output (green wire).



Outdoor Low Voltage Weatherproof Transformer

Where a power point is not available at the gate the Outdoor Transformer is used as the primary source of power, it takes the high voltage input and transforms to low voltage which is connected to the controller through the low voltage extension cable for a maximum distance of 120 metres.



"Decel" Slow Speed/De-acceleration Adjustment



The "De-acceleration" Trim pot is the slow speed trimmer allowing a fine tuning of the SLOW Speed portion of the operating cycle, Typically adjustment range is 20% to 50% from the slowest speed (minimum)depending on gate size, weight and inertia.



Slowest Speed DECEL Fastest Speed

"OBST.F" Obstuction/Overcurrent Adjustment



OBST.F

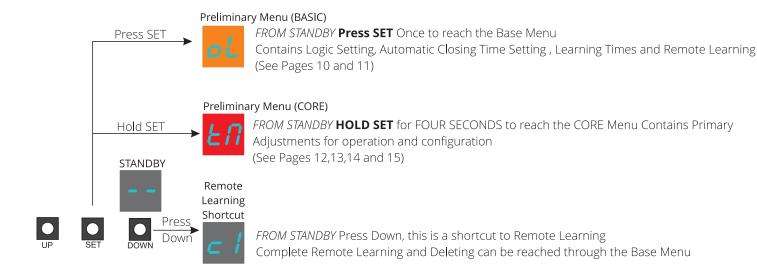
The "Obstruction Force" Trim pot is the pressure sensing adjustment before the controller recognises cut-off. Gate and Environmental factors will determine how high or low to adjust based on gate weight, wind resistance and the required power to operate the motor.

Setting too high will affect how quickly the controller will shut off under load or accident. setting too low can cause the controller to shut off too early (too sensitive) and cause intermittent operations.



System Menu Hierarchy

Throughout the manual to simplify identification the two preliminary menus will be displayed with a coloured background as illustrated below, any sub-menus and exit will be displayed with a grey background.





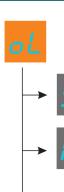
EXIT will take you back one level From preliminary menus it will return to standby From any setting menu it will cancel the change and return you to the preliminary menu



If in a setting adjustment and you wish to cancel press UP and DOWN together momentarily to return back one level.

If in a preliminary menu it will function the same as scrolling to exit.

Basic Menu



Setting the system Operating Logic (Default Standard)

Standard

Operates OPEN/CLOSE by remote and/or wired-wireless accessories

RE

Standard WITH Automatic Closing Timer Adjust the Automatic Closing Timer in *5P* menu

Operates OPEN remote and/or Wireless Accessories with an automatic closing timer (can still be closed earlier by remote and/or wired-wireless accessories)

Timer can be cancelled using the STOP feature

oc

Typical Complex

Operates OPEN/CLOSE by remote and/or wired-wireless accessories with the WIRED input terminals switching to loop detector mode OPEN Terminal and CLOSE Terminal



Typical Complex WITH Automatic Closing Timer Adjust the Automatic Closing Timer in 5P menu

Operates OPEN/CLOSE by remote and/or wired-wireless accessories with the WIRED input terminals switching to loop detector mode OPEN Terminal and CLOSE Terminal along with an automatic closing timer (can still be closed earlier by remote and/or wired-wireless accessories)

Timer can be cancelled using the STOP feature



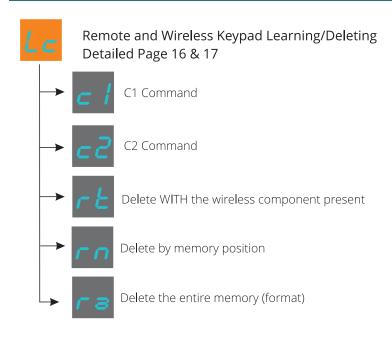
Secure Complex Mode WITH Automatic Closing Adjust the Automatic Closing Timer in 5P menu

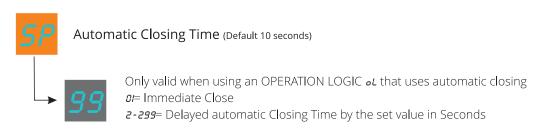
Ignores additional commands during opening, Can latch a timer circuit to hold the gate open, automatic closing by unlatching a timer (allows auto close timer countdown to begin), no other methods to close.

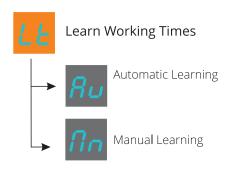
Wired Inpu	t Terminals	Operating Logic	Lc Remo	te Channels
Terminal 3 (ST/OP)	Terminal 4 (PD/CL)	oL	c /	<i>-2</i>
OPEN /STOP/ CLOSE	Ped. OPEN /STOP/ CLOSE	SE RE	OPEN /STOP/ CLOSE	Ped. OPEN /STOP/ CLOSE
OPEN	CLOSE	oc	OPEN	CLOSE
OPEN	CLOSE	oA	OPEN	CLOSE
OPEN	N/A	cd	OPEN	N/A

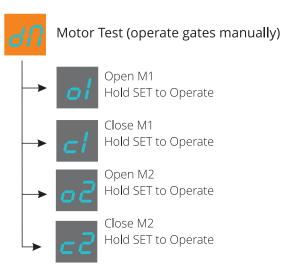
"OPEN" only commands always restart an automatic closing timer (if applicable). any "STOP" command by remote control always cancels the automatic closing timer (if applicable). any "CLOSE" command will bypass the automatic closing timer (if applicable) and close the gate.

Basic Menu continued



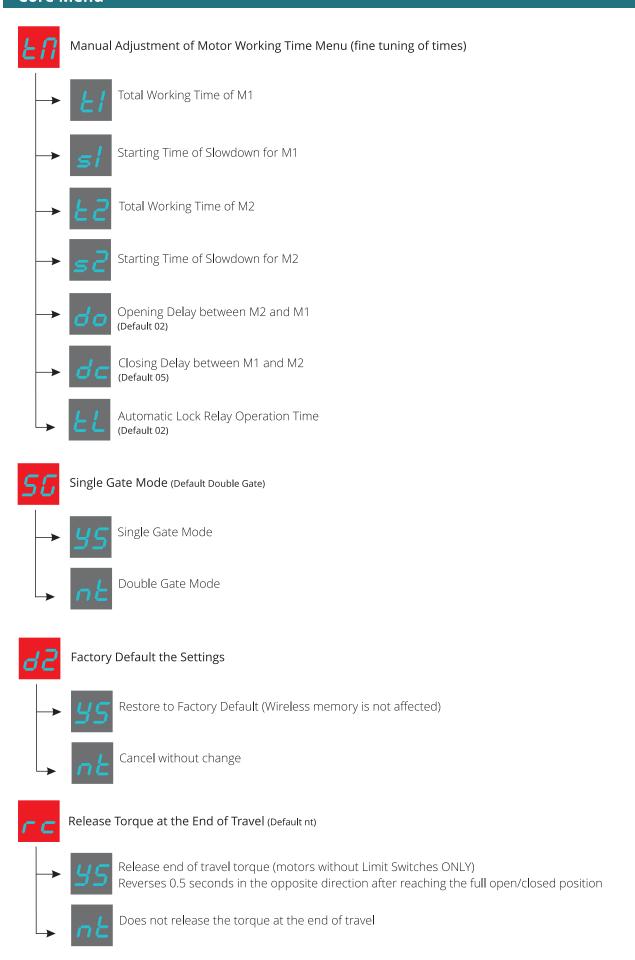


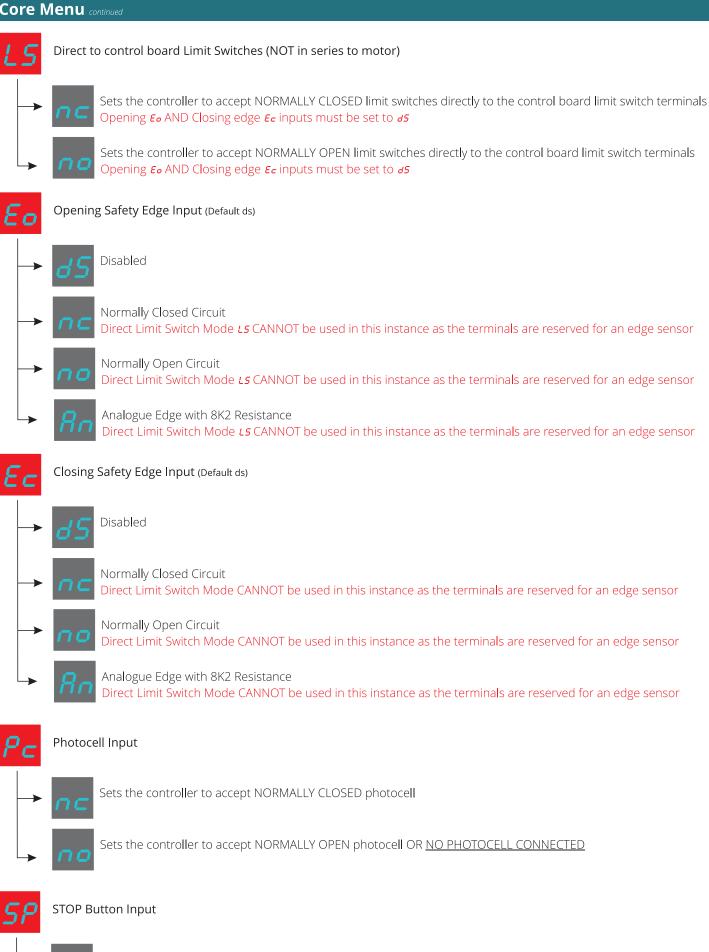






Core Menu



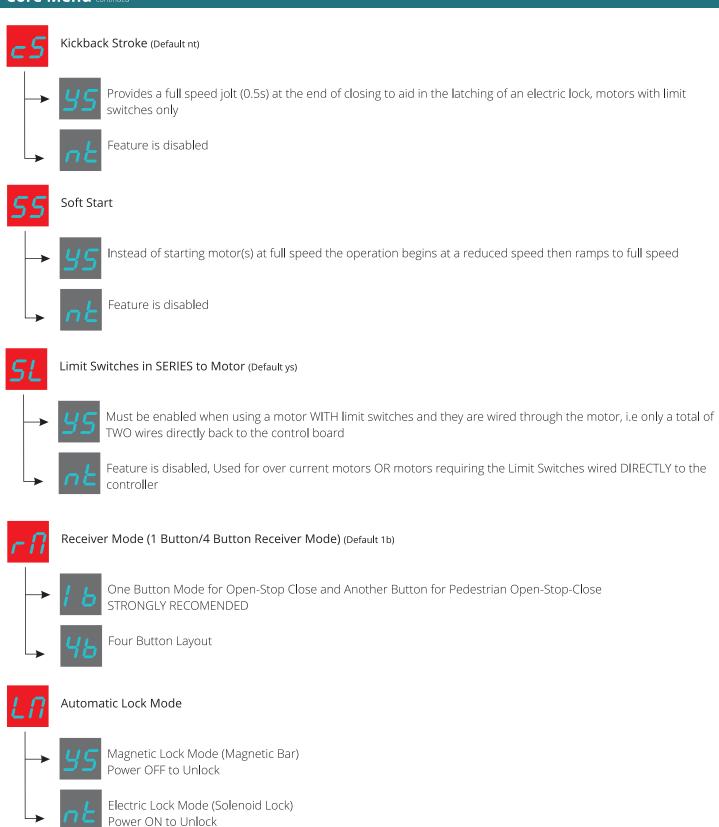




Sets the controller to accept NORMALLY CLOSED Stop Button

Sets the controller to accept NORMALLY OPEN Stop Button OR <u>NO STOP Button CONNECTED</u>

Core Menu continued



Core Menu continued



Special Detector Input (Default dt)





Photostop Mode (Normally Closed Circuit)

Similar to a typical photocell input but also incorporates the opening cycle.

- 1.During opening it will pause gate till clear
- 2.During auto close it will restart the timer
- 3.During close it will stop the gates and re-open
- 4. Whilst closed it will inhibit the operation of opening until clear again



Detector Mode (Normally Open Circuit) OR <u>NO SENSOR CONNECTED</u>
Used to signal the system that the gate has been used and is ready to close.

1.If detected whilst opening it will finish the opening then IMMEDIATELY close 2.Whilst closing it will re-open gate then IMMEDIATELY close the gate 3.Whilst open it will tell the gate to close



Light Mode



Flashing illumination ON/OFF during the cycle



Static illumination during the cycle

Remote Learning

C1 Command Learning



A B C D

Press the button you wish to use on the remote

The display will also show you the enrolled position it has been stored in the memory, this can be noted incase you wish to delete a specific remote later.

C2 Command Learning





Press the button you wish to use on the remote

The display will also show you the enrolled position it has been stored in the memory, this can be noted incase you wish to delete a specific remote later.

Operating Logic



Residential



Commercial & Industrial





Ped. OPEN /STOP/ CLOSE Pedestrian for Double Swing Gates Only

Remote

Channels

OPEN CLOSE

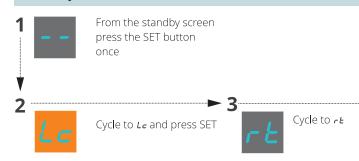
OPEN

/STOP/

CLOSE

OPEN N/A

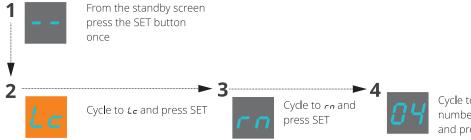
Delete by remote button



Press the button on the remote you wish to delete

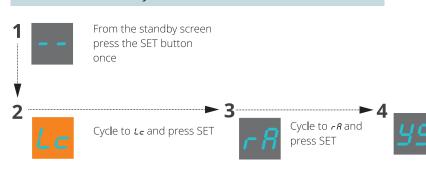


Delete by enrollment number



Cycle to the enrolment number you wish to delete and press SET

Delete entire memory



Cycle to *ys* and press SET to confirm deleting all remotes OR

Cycle to nt to cancel

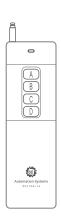
Remote Usage

- A Operate this Gate Open Stop Close (Programmed to C1) (also stops the automatic closing timer if pressed during the countdown)
- B Operate Pedestrian Open Stop Close (Programmed to C2 when Double Gates) (also stops the automatic closing timer if pressed during the countdown)
- C Operate a garage door
- D Operate another Gate Open Stop Close (also stops the automatic closing timer if pressed during the countdown)



STX4K

Maximum Clear Line of Sight 100 Metres Operating Distance

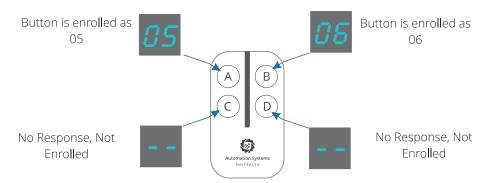


STX4L

Maximum Clear Line of Sight 800 Metres Operating Distance

Identify the enrollment Number

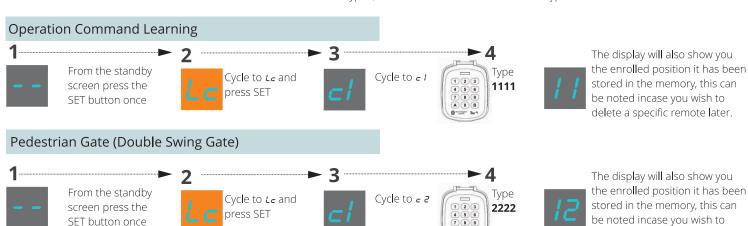
From the standby Screen press each button on the remote INDIVIDUALLY, the number displayed on the screen upon each button press is the enrollment number, one remote MAY have multiple enrollment numbers based on the paired features



Wireless Keypad Learning

The easist way to pair a keypad is to take it to the gate controller BEFORE installing onto the post or fence. The installation steps below detail the procedure using the default codes. It is suggested to change the codes AFTER completing the procedure and testing using the default code.

Default code 1111= Channel 1 of Keypad, Default code 2222= Channel 2 of Keypad



delete a specific remote later.

Setting the Automatic Close Timer

Display example up to 99 Seconds



Display example GREATER than 99

Seconds and up to 199 Seconds

Page 18

Display example GREATER than 199

Seconds and up to 299 Seconds

Motor Test Mode

The purpose of motor testing is to identify the correct operating procedure before the time travel calibration. The information that can be gained from the motor test is if the motors are wired:

- a) Correct polarity meaning they operate in the correct direction according to the control board.
- b)The limit switches have been correctly set for the OPEN and CLOSED position. This test can be repeated an unlimited amount til all is set correctly.
- c) The correct operating sequence FOR DOUBLE GATES

O2 will open Gate 2 (M2) - The MASTER gate with the AUTOMATIC LOCK if used, First gate to open/ONLY GATE IF SINGLE GATE

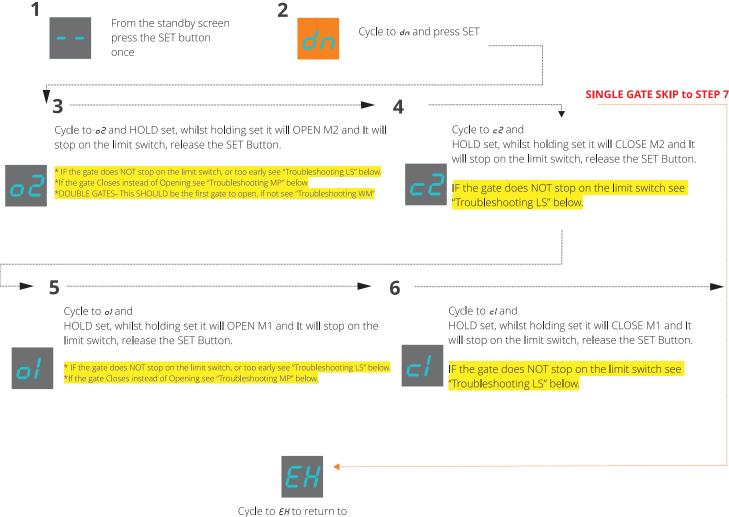
C2 will close Gate 2 (M2) - Second gate to close IF double gates/ONLY GATE

O1 will open Gate 1 (M1) - Second gate (SLAVE) to open IF double gates

C1 will close Gate 1 (M1) - First gate to close IF double gates

O1/C1 is not used for single gate systems





Troubleshooting MP

If the gate(s) close whilst using the open feature this is easily resolved and must be rectified prior to moving forward.

previous menu

- 1. Confirm which of the gate motor(s) is operating in the wrong direction $% \left(1\right) =\left(1\right) \left(1\right)$
- 2. Power down the controller
- 3. Reverse the wires in the IDENTIFIED motor output terminal (this it the wires going to the gate motor)

Troubleshooting LS

If the gate(s) travel past the desired stop point OR stops too early the limit switch is misconfigured and will need to be adjusted.

- 1. Confirm which of the limit switches is not set correctly (open limit/close limit)
- 2. Adjust the relevant limit cam/slider (refer to your gate motors installation manual)

Troubleshooting WM

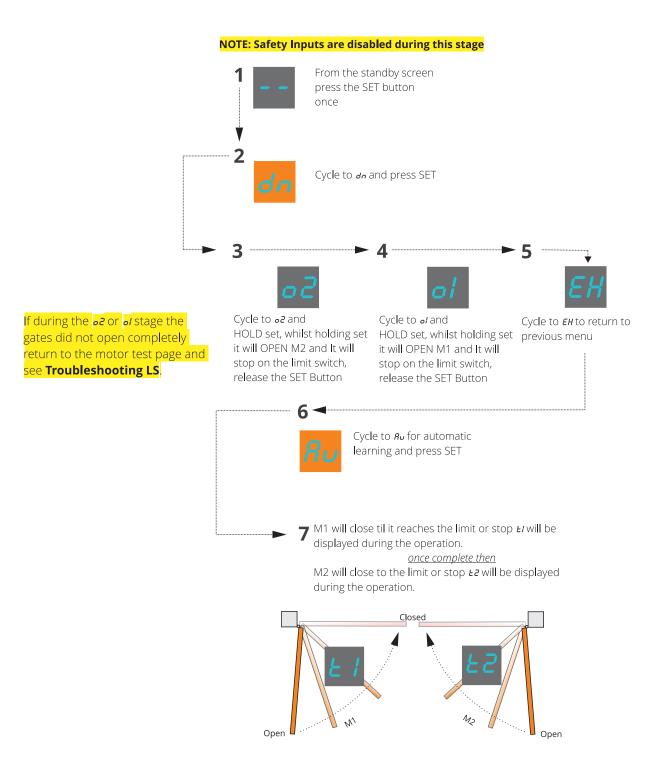
In the case of double gates IF the gate that should open second is opening on O1 this must be rectified prior to moving forward.

- 1. Power down the controller
- 2. SWAP the wires in M1 terminal to M2 and the wires in M2 to the M1 terminal $\,$

Learn Time Calibration for Double Gate

The automatic learning procedure will teach the gate controller the operational times for the gate motors travel, this will allow for the correct calibration and introduce a slowdown at the appropriate position along with the relevant protection cut off time.

Please ensure that the motors testing procedure has been completed successfully before following the below procedure (page 19). Please ensure that the system is set to DOUBLE GATE mode before proceeding (page 12).



Troubleshooting OBS

If AFTER the Automatic learning stage R_{ν} the gate(s) did not completely open or completely close BUT was successful during the learning phase from earlier then adjust the obstruction force potentiometer clockwise SLIGHTLY and re-test.



Least Sensitive (Most Push)

THIS ADJUSTMENT IS NOT USED DURING THE LEARNING
Adjust in small increments only until function correctly, do not adjust in large increments

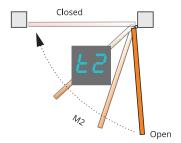
Learn Time Calibration for Single Gate

The automatic learning procedure will teach the gate controller the operational times for the gate motors travel, this will allow for the correct calibration and introduce a slowdown at the appropriate position along with the relevant protection cut off time.

Please ensure that the motors testing procedure has been completed successfully before following the below procedure (page 19). Please ensure that the system is set to SINGLE GATE mode before proceeding (page 12).

NOTE: Safety Inputs are disabled during this stage From the standby screen press the SET button Cycle to dn and press SET Cycle to ¿2 and If during the •2 stage the gate did Cycle to **EH** to return to HOLD set, whilst holding set previous menu not open completely return to the it will OPEN M2 and It will motor test page and see stop on the limit switch, release the SET Button Cycle to Au for automatic learning and press SET 6 M2 will close to the limit or stop &2 will be displayed

during the operation.



Troubleshooting OBS

Troubleshooting LS.

If AFTER the Automatic learning stage R_{ν} the gate did not completely open or completely close BUT was successful during the learning phase from earlier then adjust the obstruction force potentiometer clockwise SLIGHTLY and re-test.



Least Sensitive (Most Push)

THIS ADJUSTMENT IS NOT USED DURING THE LEARNING Adjust in small increments only until function correctly, do not adjust in large increments

Advanced Manual Learn Time Calibration for Double Gate

The advanced manual learning procedure is used when the gates are unable to learn correctly during the automatic learning phase, it is a higher detail operation as the installer provides input on the gate slow down (DECEL) and Stop Positions (when no limits are used).

Please ensure that the motors testing procedure has been completed successfully before following the below procedure (page 19). Please ensure that the system is set to DOUBLE GATE mode before proceeding (page 12).

Please ensure gates are closed prior to proceeding

NOTE: Safety Inputs are disabled during this stage



A. Both gates begin to open in a slow speed (you can fine tune the slow speed trimmer to increase/decrease the speed whilst observing the operation), once both gates are OPEN press OK

- B. Press OK to begin the closing phase of the learning, M1 will begin to close
- C. Press OK again to command M2 to begin closing
- D. Press OK again to set the slowdown position of M1
- E. Press OK again to set the slowdown position of M2

If limit switches are installed AND set correctly the controller will detect the closed point and automatically finish the manual learning. If no limit switches are used OR limits are not set correctly:

- F. Press OK to stop M1 in the closed position
- G. Press OK to stop M2 in the closed position

Advanced Manual Learn Time Calibration for Single Gate

The advanced manual learning procedure is used when the gate is unable to learn correctly during the automatic learning phase, it is a higher detail operation as the installer provides input on the gate slow down (DECEL) and Stop Positions (when no limits are used).

Please ensure that the motors testing procedure has been completed successfully before following the below procedure (page 19). Please ensure that the system is set to SINGLE GATE mode before proceeding (page 12).

Please ensure gates are closed prior to proceeding

NOTE: Safety Inputs are disabled during this stage



A. The gate begin to open in a slow speed (you can fine tune the slow speed trimmer to increase/decrease the speed whilst observing the operation), once the gate is OPEN press OK

B. Press OK to begin the closing phase of the learning, M2 will begin to close

C. Press OK again to set the slowdown position of M2

If limit switches are installed AND set correctly the controller will detect the closed point and automatically finish the manual learning. If no limit switches are used OR limits are not set correctly:

D. Press OK to stop M2 in the closed position

DUKIE and DUKIE+ Photocells

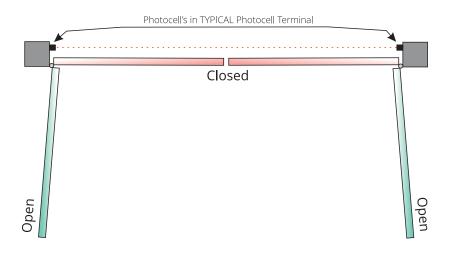
Typical Photocell Arangment

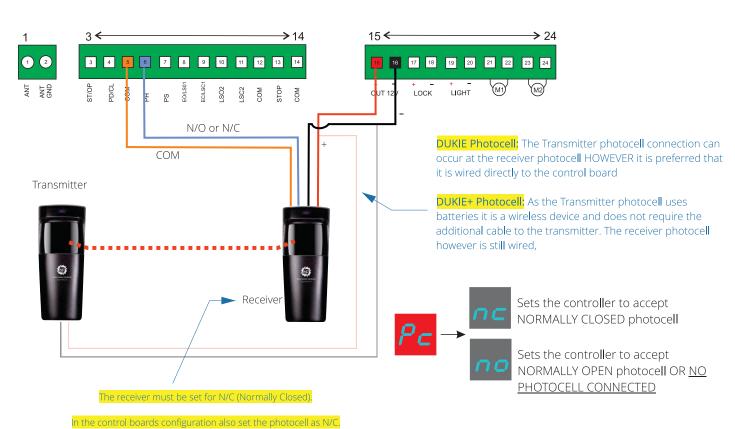
SEE NEXT PAGE ON SPECIAL DETECTOR AND PHOTOSTOP

Photocells are a necessity when automating, they provide an additional layer of safety by infrared beam across the driveway.

The photocell terminal is used as the primary photocell connection which will revert the gate back to open when an obstacle is detected during close. If an obstacle is present before a close command then it will prevent closure til the obstacle is clear.

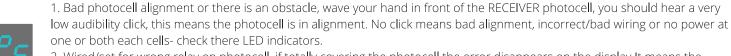
In the case where the automatic closing timer is used then each time an obstacle passes through the photocell infrared beam the timer will restart.





Troubleshooting PC

If after powering the system on you receive the error Pc displayed it means one of the following:

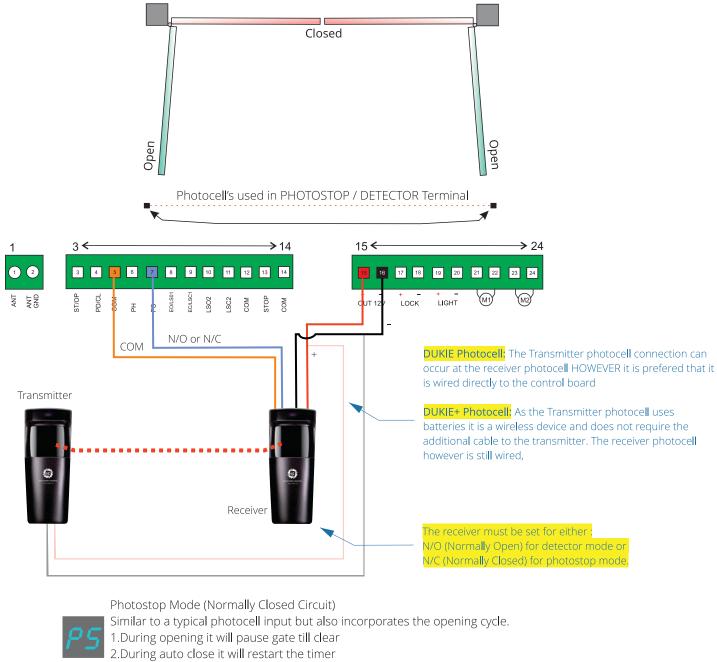




Special Detector Mode / Photostop

SEE PREVIOUS PAGE ON TYPICAL PHOTOCELL CONNECTION

An additional set of photocells installed just past the gates open position. Ideal for scenarios requiring a command to close after the vehicle has passed through OR carport safety, outwards opening gate open prevention, etc.



 $CO \rightarrow$

- 3. During close it will stop the gates and re-open
- 4. Whilst closed it will inhibit the operation of opening until clear again



Detector Mode (Normally Open Circuit) OR NO SENSOR CONNECTED

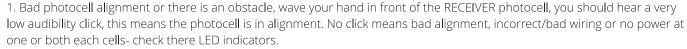
Used to signal the system that the gate has been used and is ready to close.

- 1.If detected whilst opening it will finish the opening then after two seconds close
- 2. Whilst closing it will re-open gate then after two seconds close the gate
- 3. Whilst open it will tell the gate to close

Troubleshooting PS/DT

If after powering the system on you receive the error P5 or JE displayed it means one of the following:



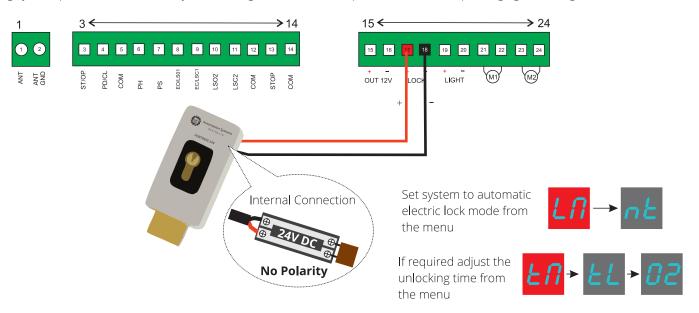




2. Wired/set for wrong relay on photocell, if totally covering the photocell the error disappears on the display It means the wiring/selection jumper on the RECEIVER photocell is incorrect OR the incorrect setting within the special detector menu has been chosen.

Fortress EL Automatic Electric Lock

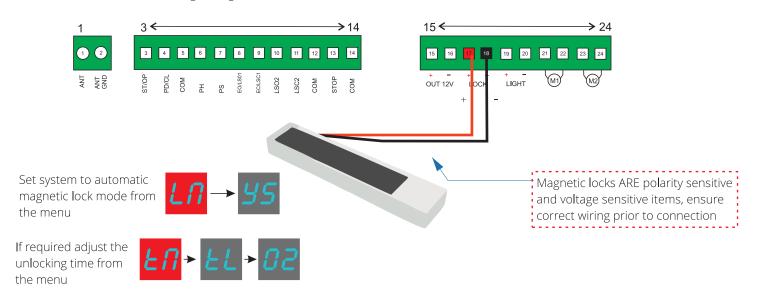
The Fortress EL automatic electric lock will engage mechanically when closed into the latching plate and automatically release on the opening cycle. It provides added security and holding characteristics to prevent forces from pushing against the gate(s).



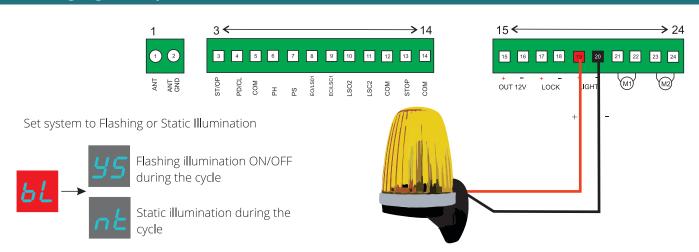
FORTRESS ML Magnetic Lock

NOT SUITABLE FOR SOLAR

The FORTRESS ML automatic magnetic lock will engage electrically when closed against by magnetizing to the armature plate and automatically release on the opening cycle. Just like an electric lock it also provides added security and holding characteristics to prevent forces from pushing against the gate(s). Benefit of a magnetic lock is that it can be mounted in different methods to the electric locks traditional mounting arrangements.

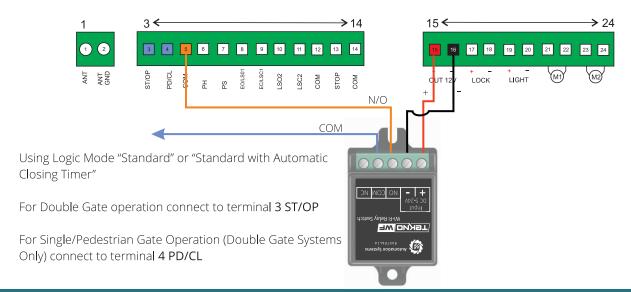


Warning Light Output



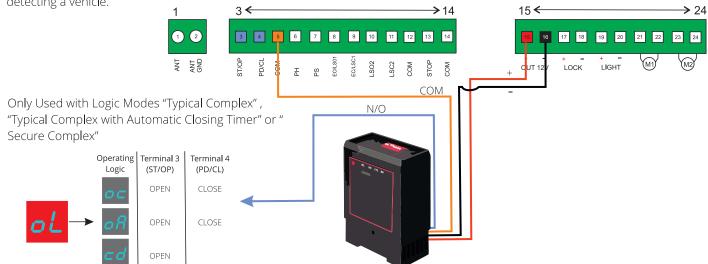
Tekno Wi-Fi APP Switch

The Tekno Wi-Fi App Switch integrates into the system allowing for operation by APP anywhere in the world, the Tekno module requires good 2.4GHZ connection to the Wi-Fi of the premises.



Loop Detector

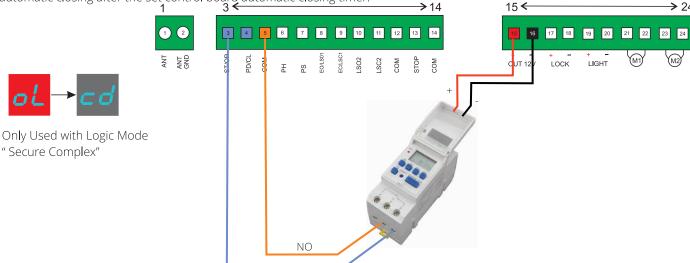
Typically for commercial and industrial use the loop detector can be used to command an OPEN or a CLOSE operation when detecting a vehicle.



Digital Weekly Timer (12 Volt Version)

Typically for commercial and industrial the gate an be set to open at a certain time (and hold open), then close also at a set time. Multiple times can be programmed for all 7 days of the week selectively.

All other operations (outside of weekly time, eg. After Hours) by other access control devices such as a keypad will result in an automatic closing after the set control board automatic closing timer.

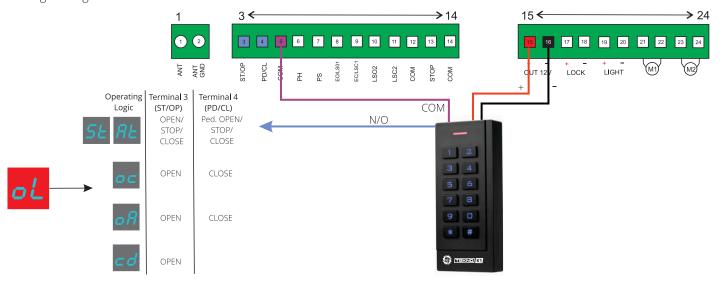


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Page 26

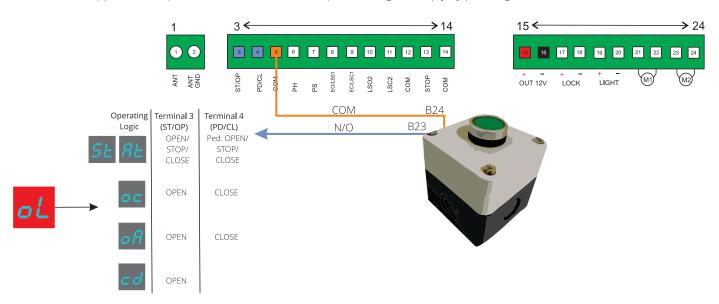
Tekno K1 Wired Keypad

A Tekno K1 wired keypad is typically (but not exclusively) used in a commercial or industrial environment as a wireless keypad can be used in a residential home. A wired keypad has little to no maintenance required as its power feed is supplied by the system through wiring.



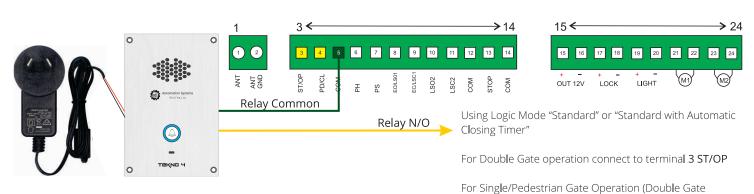
Push Button

Suitable for all applications a push button can be used to operate the gate simply by pressing the button.



Tekno 4 GSM Intercom

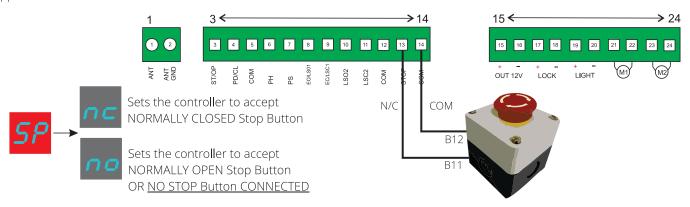
The Tekno 4 GSM intercom allows totally wireless TWO WAY communication to any user, anywhere in the world using the mobile network. It allows for the automatic gate operation by pressing * during a call or by sending an SMS command at any time.



Systems Only) connect to terminal 4 PD/CL

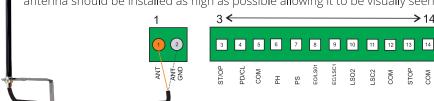
Emergency Stop Button

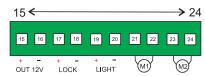
An emergency stop button is used typically if the system is in a manned operation such as a security office or gate house OR such applications where an internal door is automated.



Amplify Booster Antenna

The Amplify Booster Antenna will assist with remote signal in a case where the signal has been blocked by the fencing or the gate. The antenna should be installed as high as possible allowing it to be visually seen over the fence line.





Remote Enrollment number	Users Name/Employee ID	Feature
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Warranty Terms and Conditions

The product is warranted for a period of twelve months (one year) from the date of purchase, unless expressly specified as extended warranty (extension to the warranty period). The product is to be installed for its intended purpose and for normal use as outlined within the installation manual, the product warranty is exclusively for defects in manufacturing and manufacturing workmanship. It does not cover out of guidelines use, natural or other disasters, abnormal weather conditions, damage incurred in shipping or handling, damage caused by disaster such as fire, flood, wind, earthquake, lightning, excessive voltage, mechanical shock, water damage, damage caused by unauthorized attachment, alterations, modifications, or foreign objects, damage caused by peripherals (unless such peripherals were supplied by Automation Systems Australia), defects caused by failure to provide a suitable installation environment for the products, damage caused by usage of the products for purpose other than those for which it was designed, damage from improper maintenance, damage arising out of any other abuse, mishandling, and improper application of the products.

At is discretion Automation Systems Australia will require the item determined by the support staff to be returned to base in it original unmodified condition for a warranty inspection if within the warranty period. A return authorization "RA" number will be provided to be enclosed with the product in question. The warranty will not cover freight fees to base, customs fees or any labour costs at the installation site but will cover repair or replacement of the product as seen fit. Automation Systems Australia will cover the freight of the returned item to the original address if deemed as a warranty repair or replacement item. Any warranty repairs or replacements continue to carry through the remaining warranty period and do not extend or restart the period.

Under no circumstances shall Automation Systems Australia be liable for any special, incidental, or consequential damages based upon breach of warranty, breach of contract, negligence, strict liability, or any other legal theory. Such damages include, loss of profits, loss of the product or any associated equipment, cost of capital, cost of substitute or replacement equipment, facilities or services, down time, purchaser's time, the claims of third parties, including customers, and injury to property.

This warranty contains the entire warranty and shall be in lieu of any and all other warranties, whether expressed or implied (including all implied warranties of merchantability or fitness for a particular purpose). And of all other obligations or purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.

Automation Systems Australia will at its option repair or replace out-of-warranty products at a determined cost which are returned to its base according to the following conditions. Anyone returning goods to Automation Systems Australia must first obtain an authorization number. Automation Systems Australia will not accept any shipment whatsoever for which prior authorization has not been obtained. Products which Automation Systems Australia determines to be repairable will be repaired and returned. A set fee which Automation Systems Australia has been predetermined and which may be revised from time to time will be charged for each unit repaired. Products which Automation Systems Australia determines not repairable will be replaced by the nearest equivalent product available at that time. The current market price for the replacement product will be charged for each replacement unit.