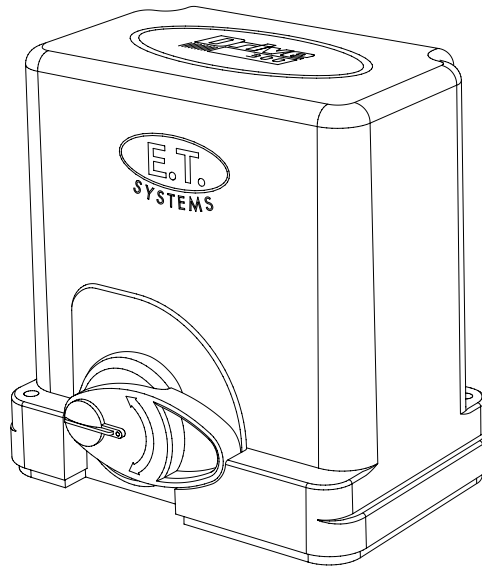


End User Instructions



Low Traffic 300kg Slide Gate Operator



a company of TheNiceGroup



Introduction.	
Page 3	Be Safe! Instructions, warnings and obligations.
Page 4	Technical specifications.
Page 5	Component identification and operator dimensions.
Operating mode definitions and examples.	
Page 6	How to use the manual release override and referencing the closed position.
Page 7	Collision sensing and safety overload routines
Page 8	Safety infra-red beams function. All modes except P.I.R.A.C. auto-close mode.
Page 9	"BT" Button triggers - Standard mode.
Page 10	"BT" Button triggers - Simple auto-close mode.
Page 11	"BT" Button triggers - Condominium auto-close mode.
Page 12	"BT" Button triggers - P.I.R.A.C. auto-close mode.
Page 13	"PED" Pedestrian trigger. With no safety beams installed.
Page 14	"PED" Pedestrian trigger. With safety beams installed.
Page 15	Auxiliary relay modes - Strike lock mode.
Page 16	Auxiliary relay modes - Magnetic lock mode.
Page 17	Auxiliary relay modes - Receiver relay mode.
Page 18	Auxiliary relay modes - Courtesy light mode.
Page 19	Auxiliary relay modes - Alarm modes.
Page 20	Positive close mode.
Page 21	Holiday lock-out mode.
Page 22	Auto-close override/party mode.
Troubleshooting.	
Page 23	Status LED indications and buzzer guide.
Page 24	Display definitions and troubleshooting guide.
Page 25	Receiver user address log.
Page 25	Warranty.

For any assistance with this product, which is not covered in this manual, please contact your service provider/installer.

<p>Contact details of service provider/installer:</p> <p>Company name: _____</p> <p>Technician: _____</p> <p>Contact number: _____</p> <p>Email address: _____</p> <p>Date of installation: _____</p>	<p style="text-align: center;">Company stamp:</p>
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Be Safe!

WARNING!! These are the general safety obligations for the installers and users of ET Systems automation equipment.

1. Only suitably qualified persons, may install, repair or service the product. Unless expressly indicated in the user instructions, no user serviceable components can be found inside any ET Systems automation product.
2. It is important for personal safety to study and follow all the instructions carefully. Incorrect installation or misuse may cause serious personal harm.
3. Keep the instructions in a safe place for future reference.
4. This product was designed and manufactured, strictly for the use indicated in the accompanying documentation. Any other use not expressly indicated in the documentation, may damage the product and/or be a source of danger. ET Systems cannot accept responsibility for improper use or incorrect installation of this product.
5. ET Systems cannot accept responsibility if the principles of good workmanship are disregarded by the installer.
6. ET Systems cannot accept responsibility regarding safety and correct operation of the automation, if other manufacturers' equipment is added to this product.
7. Do not make any modifications or alterations to this product. Do not substitute any component of this product with any other component not expressly designed into this product.
8. Anything other than expressly provided for in the accompanying instructions is not permitted.

Prior to installation:

1. All unnecessary ropes, chains and fasteners must be removed and all unnecessary latches or locks must be disabled from locking.
2. The gate or door must be balanced correctly where it, neither opens nor closes from any position under its own load. When operated by hand the gate or door should be free of hindrance and easily moved (In the case of a garage door if the balancing springs need to be adjusted the adjustment should only be carried out by a qualified and experienced person).
3. The construction of the gate or door must be sound and automatable. It is the responsibility of the installer to ensure that the mechanical components of the gate or door system are sufficient to withstand the necessary forces in cases of overload.
4. It is the responsibility of the installer to ensure the gate or door is sufficiently trapped within its range of travel by means of mechanical ends of travel stoppers.
5. Ensure all fixed mounting points, such as the wall above the door in a garage door system or the posts in a swing gate system, are sound and strong enough to allow proper fixing of the operator.
6. It is the responsibility of the installer to ensure the installed position selected for this product, falls within the limitations of the products ingress protection rating.
7. Ensure the area of installation is not subject to explosive hazards. There should be no volatile gasses or fumes as these can present a serious safety hazard.
8. All ET Systems garage door operators are supplied with a sealed 15A safety plug on lead for use in an electrical code of practice approved plug point. Do not extend, modify or replace the plug lead unless duly qualified as an electrician. Before installing the unit, ensure the mains supply is switched off.
9. ET Systems gate operators are supplied with a terminal connection for the electrical supply beneath the screwed down cover of the operator. In the case of a model requiring 220Vac supply at the operator, an all pole negatively biased switch, with a contact opening of greater than 3mm must be installed within 1,5m of the operator. This switch must be clear of all workings of the system and must be in a position secure from public access. This switch and its connections must be inspected and passed by a certified electrician prior to using it.
10. It is the responsibility of the installer to ascertain that the designated persons (including children) intended to use the system, do not suffer reduced physical sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the system by a person responsible for their safety.
11. The drive may not be installed on a door incorporating a wicket door, unless the drive is disabled by the release of the wicket door. (Wicket door :- A pedestrian door within the main gate or door)

During installation:

1. Ensure the working area is clear of obstructions and obstacles.
2. Install the safety warning sticker within clear view of where the gate or door will be operated from. Typically this would be adjacent to any fixed trigger switches or on the gate or door itself.
3. The emergency manual release must be installed where it is no higher than 1,8m from the floor level. This would apply to the cord in a garage installation or the lockable lever in a gate installation.
4. Any additional fixed door control switches such as wall consoles or keypads, if installed, must be at a height of at least 1,5m, within clear sight of the gate or door and away from any moving components of the system.


Continued overleaf.....

5. It is highly recommended that a set of safety infra-red beams be used in conjunction with this product. The safety beams must be installed in such a way that the product is prevented from running when anything is in the path of the door or gate.
6. Over and above the recommendation to use safety infra-red beams with this product it is mandatory to install and use a safety beam set when using the automatic closing feature. It is recommended that a warning light be fitted to any automation system.
7. The emergency manual release instruction label must be installed on or adjacent to the emergency manual release mechanism.

After installation - It is the responsibility of the installer to ensure the users:

1. Is proficient in the use of the manual emergency release mechanism.
2. Is issued with the documentation accompanying this product.
3. Understands that the gate or door may not be operated out of clear sight.
4. Ensures that children are kept clear of the gate or door area at all times, and that children do not play with the remote transmitters or any fixed trigger switches linked to the system.
5. Is instructed not to attempt to repair or adjust the automation system and to be aware of the danger of continuing to use the automation system in an unsafe condition before a service provider attends to it.
6. Is proficient in testing the unit's safety obstruction sensing system.
7. Is aware of what to check for with regards to wear and tear that may need to be attended to from time to time by the service provider.
8. Is aware that a fatigued battery may not be disposed of in the general refuse and must be handed in at a battery merchant for safe disposal. Before removing the battery from the system the household mains must be disconnected. In the case of the motor unit being removed and scrapped, the battery must be removed first.

Technical specifications.

Rated gate mass.	300kg
Maximum gate leaf length.	25m
Primary power supply to gate.	220 – 240Vac @ 50Hz – 60Hz (A low voltage plug in transformer can be purchased and installed if required)
Peak power consumption at gate	18W
Electrical class.	Class 1 
Motor voltage.	24Vdc
Motor current limiting.	5A Starting / 3,5A Running
Rated duty cycle.	25% with 220Vac present (See determining your duty cycle on page 7)
Number of operations on battery reserve within 24 hours of power failure.	100 (Gate load and battery health dependent. Based on a gate opening of 4m)
Gate speed.	25m/min (Gate load and battery health dependent)
Rated Load.	300N Starting / 240N Running
Operating temperature range.	-10 to 50° C (14F to 122F)
Anti-crushing safety sensing.	Yes – Electronic gate profiling
Auxiliary supply output.	12Vdc @ 400mA
Built in battery charger.	Multiple stage auto-calibrating (350mA peak)
Receiver format.	ET BLU MIX ® Backward compatible with ET BLUE (Rolling code)
Receiver frequency.	433.92MHz
Receiver channels.	4CH (BT, PED, Aux relay, Holiday lock-out)
Receiver memory capacity.	32 users
All users can be allowed control of all channels.	Yes
Ingress protection.	IPX4

Component identification and descriptions.

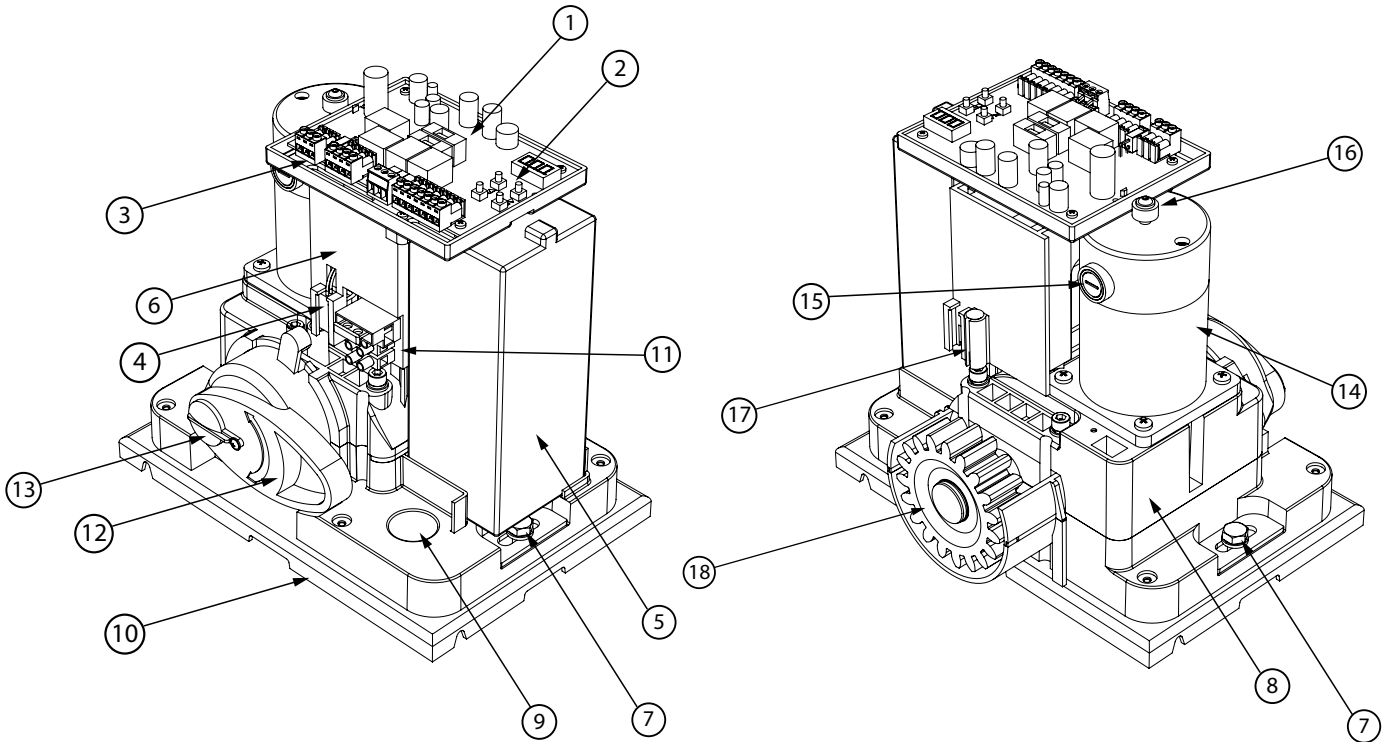
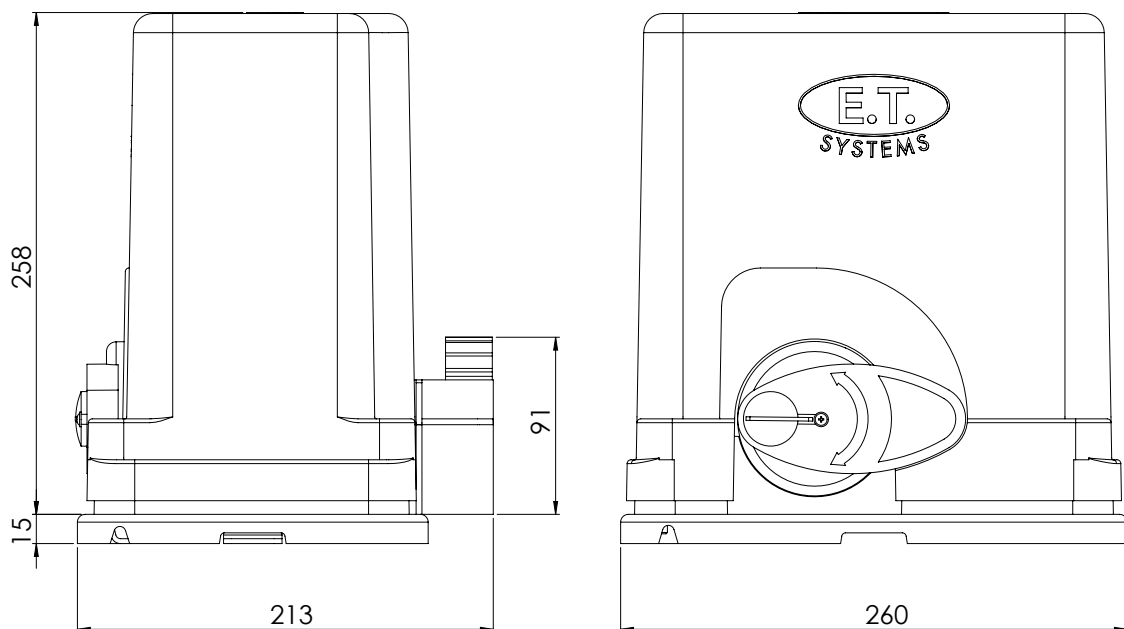


Diagram number	Description	Diagram number	Description
1	Control card	10	Baseplate
2	Dashboard	11	220V connector
3	Plug-in terminal connectors	12	Manual override
4	Manual release monitoring reed switch	13	Manual override lock
5	Battery	14	Electric motor
6	Transformer housing	15	Electric motor brush ports
7	Mounting bolts	16	Revolution counter ring magnet
8	Gearbox	17	Ends of travel limits, reed switch
9	Cable inlets	18	Output drive pinion

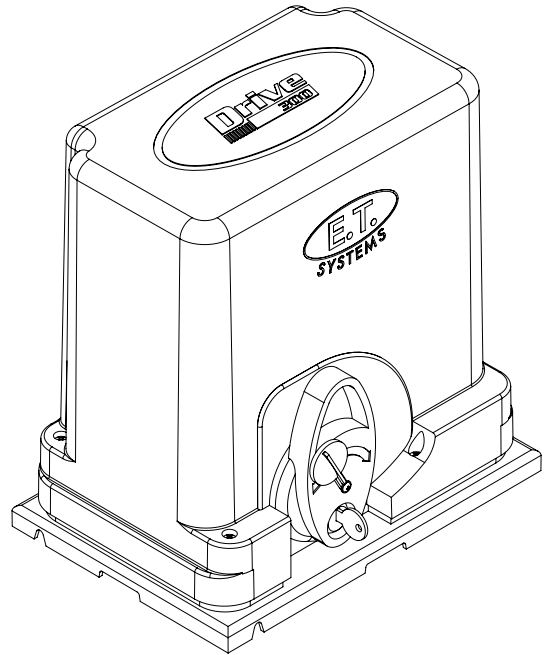
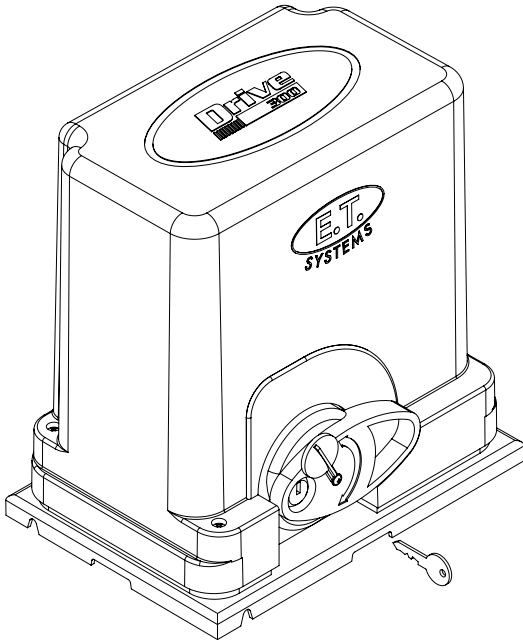
Operator dimensions.



How to use the manual release override.

Move gate open and closed by hand.

1. Unlock the manual release lever lock using the key supplied.
2. Swing the manual release lever upright to disengage the gearbox.



To re-engage the gearbox lower the manual release lever and lock it once again. Gently pull or push the gate by hand until the gears fall into place before triggering the unit to run.

Referencing the closed position

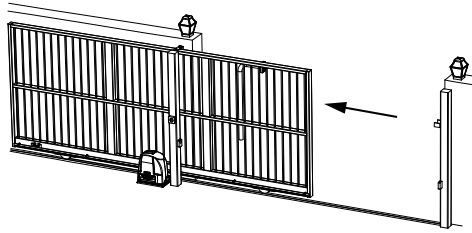
On the first trigger subsequent to the gearbox being engaged after a manual release, the gate will close at half speed. The system is looking for the closed position which is the origin point. This is known as referencing the closed position. If any of the trigger inputs are activated or the safety overload sensing is activated while the gate is busy "referencing" then the gate will simply stop. The next trigger will cause the unit to continue "referencing". While referencing the closed position the display will show "rEF". Referencing the closed position will also occur on the first trigger after exiting programming or powering up a previously programmed control card.

Collision sensing and safety overload routines

Basic operating features.

In the case of the gate colliding with an obstruction, such as a person passing through the entrance way, the collision sensing will automatically detect the collision and the system will run a safety overload routine. If at anytime the gate collides four times consecutively with an obstruction without reaching either the closed or open position successfully, the unit will initiate multiple collision lock-out. This safety feature is indicated by a continuous beep tone while holding any trigger button in and the display shows "col". To clear this condition, activate the manual release and clear the obstruction. Re-engage the manual release as per page 6 of this manual and continue to use the system as per normal.

Safety overload routine while gate is opening.

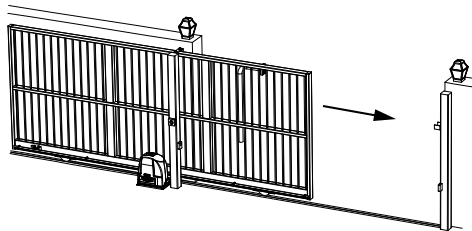


Action

Response

<p>Gate collides with a pedestrian for example.</p>		<p>Gate stops opening.</p>		
<p>Once gate has stopped.</p>		<p>Gate reverses momentarily to release pressure.</p>	<p>No buzzer tones.</p>	
<p>After reversing momentarily.</p>		<p>Gate stops and waits for next trigger to close.</p>	<p>No buzzer tones.</p>	

Safety overload routine while gate is closing.



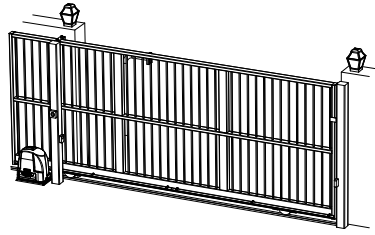
Action

Response

<p>Gate collides with a pedestrian for example.</p>		<p>Gate stops closing.</p>		
<p>Once gate has stopped.</p>		<p>Gate reverses back to the full open position.</p>	<p>No buzzer tone.</p>	
<p>After reversing to the full open position.</p>		<p>Gate remains in the full open position until the next trigger to close.</p>	<p>No buzzer tone.</p>	

Basic operating features	Safety infra-red beams function. All modes except P.I.R.A.C. Auto-close.	
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If the safety beam input has been switched on, the control card will constantly monitor to ensure a set of safety beams is installed.
NB! A set of safety beams must be installed and the safety beam input must be configured .
Below is an example of how the gates will behave whenever the safety beam input is activated.

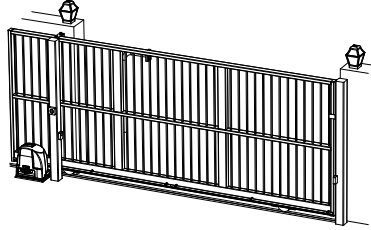


Action		Response		
Momentary BT trigger.		Gate begins opening.	No buzzer tones.	
Safety beam input triggered while gate is opening.		Gate continues opening	No buzzer tones.	
At full open position. Safety beam input still triggered.		Gate stops and waits for next trigger to close.	No buzzer tones.	
Momentary BT trigger.		Trigger is ignored and gate remains open.	No buzzer tones.	
Safety beam input cleared.		Gate remains in the full open position until the next trigger to close.	No buzzer tone.	
Momentary BT trigger.		Gate begins closing.	No buzzer tone.	
Safety beam input while the gate is closing.		Gate stops and reverses open.	No buzzer tone.	
At the full open position.		Gate stops and waits for next trigger to close.	No buzzer tone.	
Momentary BT trigger.		Gate begins closing.	No buzzer tone.	

	“BT” Button triggers. Standard mode.	Basic operating features
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The BT functions are the primary full gate opening functions for motor vehicle access.
There are two ways of activating the “BT” functions on this control card. Either via the hardwired BT input or the BT receiver channel.

In Standard mode the gates respond to each BT trigger.
In Standard mode you have access to the following advanced features: - Holiday lock-out and Party mode.



Action		Response		
Momentary BT trigger.		Gate begins opening.	No buzzer tones.	
At full open position.		Gate stops.	No buzzer tones.	
Momentary BT trigger.		Gate begins closing.	No buzzer tones.	
Momentary BT trigger.		Gate stops.	No buzzer tones.	
Momentary BT trigger.		Gate begins opening.	No buzzer tones.	
Momentary BT trigger.		Gate stops.	No buzzer tones.	
Momentary BT trigger.		Gate begins closing.	No buzzer tones.	
At full closed position.		Gate stops.	No buzzer tones.	

Basic operating features

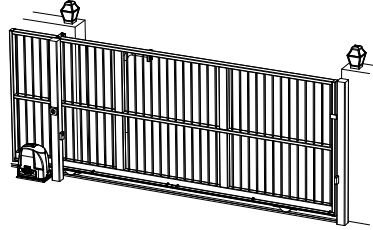
“BT” Button triggers. Simple auto-close mode.

The BT functions are the primary full gate opening functions for motor vehicle access. There are two ways of activating the “BT” functions on this control card. Either via the hardwired BT input or the BT receiver channel.

Simple auto-close mode functions exactly the same as standard mode except that the gates will close automatically after the programmed BT auto-close timer has timed out.

In this mode you have access to the following advanced features: - Holiday lock-out and Party mode.

NB! For any auto-close feature to work, a pair of safety infra-red beams must be installed and functioning correctly.



Action		Response		
Momentary BT trigger.		Gate begins opening.	No buzzer tones.	
At full open position.		Gate stops.	No buzzer tones.	
Momentary BT trigger or auto-close timer timeout. Safety beam input not triggered.		Gate begins closing.	No buzzer tones.	
Momentary BT trigger.		Gate stops and immediately starts opening again.	No buzzer tones.	
Momentary BT trigger.		Gate stops.	No buzzer tones.	
Momentary BT trigger or auto-close timer timeout. Safety beam input not triggered.		Gate begins closing.	No buzzer tones.	
At full closed position.		Gate stops.	No buzzer tones.	

**“BT” Button triggers.
Condominium auto-close mode.**

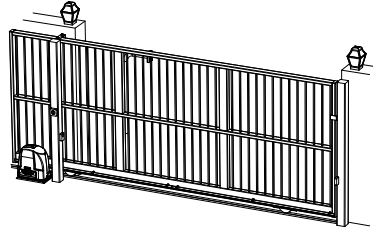
**Basic operating
features**

The BT functions are the primary full gate opening functions for motor vehicle access.
There are two ways of activating the “BT” functions on this control card. Either via the hardwired BT input or the BT receiver channel.

In Condominium auto-close mode, all BT triggers are treated as open, keep opening, keep open or re-open triggers. The gates will only close once the BT auto-close timer has timed out.

In Condominium auto-close mode the following advanced features are not available: - Holiday lock-out and Party mode.

NB! For any auto-close feature to work, a pair of safety infra-red beams must be installed and functioning correctly.



Action		Response		
Momentary BT trigger.		Gate begins opening.	No buzzer tones.	
Momentary BT trigger while gate is opening.		The trigger is ignored and the gate continues opening.	No buzzer tone.	
At full open position.		Gate stops and auto-close timer starts counting down.	No buzzer tones.	
Momentary BT trigger.		Gate remains open and auto-close timer resets.	No buzzer tones.	
Auto-close timer timeout. Safety beam input not triggered.		Gate begins closing.	No buzzer tones.	
Momentary BT trigger.		Gate stops and immediately starts opening again.	No buzzer tones.	
At full open position.		Gate stops and auto-close timer starts counting down.	No buzzer tones.	
Auto-close timer timeout. Safety beam input not triggered.		Gate begins closing.	No buzzer tones.	
At full closed position.		Gate stops.	No buzzer tones.	

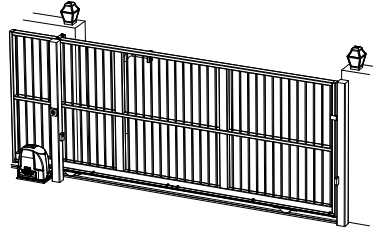
Basic operating features	“BT” Button triggers. P.I.R.A.C. auto-close mode.	
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The BT functions are the primary full gate opening functions for motor vehicle access.
There are two ways of activating the “BT” functions on this control card. Either via the hardwired BT input or the BT receiver channel.

In P.I.R.A.C. auto-close mode, all BT triggers are treated as per simple auto-close. The difference in this mode is how the system responds to the safety beam triggers while the gate is opening. Below is an example of P.I.R.A.C. auto-close mode when the safety beam circuit is triggered while the gate is in operation.

In this mode the following advanced features are available: - Holiday lock-out and Party mode.

NB! For any auto-close feature to work, a pair of safety infra-red beams must be installed and functioning correctly.



Action		Response		
Momentary BT trigger.		Gate begins opening.	No buzzer tones.	
Safety beam circuit triggered while gate is opening.		The gate continues opening.	No buzzer tone.	
Safety beam circuit cleared while gate is opening.		Gate stops and immediately starts closing again.	No buzzer tones.	
Safety beam circuit triggered while gate is closing.		Gate stops and immediately starts opening again.	No buzzer tones.	
Gate reaches open position while safety beam circuit is still triggered.		Gate remains open waiting for safety beam circuit to be cleared.	No buzzer tones.	
Safety beam circuit cleared while gate is in the open position.		Auto-close timer starts counting down.	No buzzer tones.	
Auto-close timer times out. Safety beam circuit not triggered.		Gate begins closing.	No buzzer tones.	
At full closed position.		Gate stops.	No buzzer tones.	

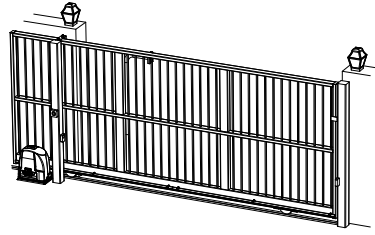
**“PED” Pedestrian trigger.
(With no safety beams installed)**

**Basic operating
features**

The PED trigger is a higher security option and is used when access to or from the property is limited to exclude motor vehicles. In the case of no safety beams being installed then the pedestrian auto-close functionality is disallowed for safety.

If the BT trigger is activated at any time during the pedestrian routine, the gate will open to the full open position and the pedestrian transaction is cancelled. The system then reverts to the BT trigger mode configured.

There are two ways of activating the “PED” functions on this control card. Either via the hardwired PED input or the PED receiver channel.



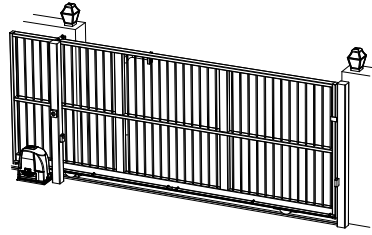
Action		Response		
Momentary PED trigger.		Buzzer beeps pre-run warning.		
After buzzer silences.		Gate begins opening.	No buzzer tones.	
At previously programmed pedestrian opening distance.		Gate stops and waits for a pedestrian trigger to close.	No buzzer tones.	
Momentary PED trigger.		Buzzer beeps pre-run warning.		
After buzzer silences.		Gate begins closing.	No buzzer tones.	
At full closed position.		Gate stops.	No buzzer tones.	

Basic operating features	“PED” Pedestrian trigger. (With safety beams installed)	
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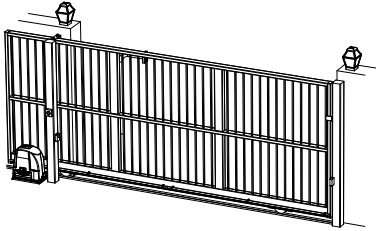

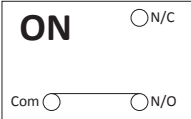

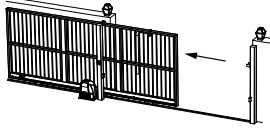

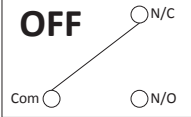
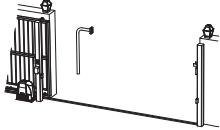

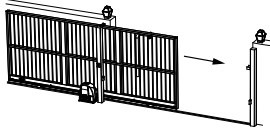
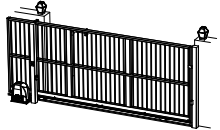
The PED trigger is a higher security option and is used when access to or from the property is limited to exclude motor vehicles. If the safety beams are triggered while the gate is closing in pedestrian mode, the gate will only return to the preprogrammed pedestrian open position.

If the BT trigger is activated at any time during the pedestrian routine, the gate will open to the full open position and the pedestrian transaction is cancelled. The system then reverts to the BT trigger mode configured.

There are two ways of activating the “PED” functions on this control card. Either via the hardwired PED input or the PED receiver channel.



	Action	Response		
Momentary PED trigger.		Buzzer beeps pre-run warning.		
After buzzer silences.		Gate begins opening.	No buzzer tones.	
At previously programmed pedestrian opening distance.		Gate stops and the pedestrian auto-close timer starts counting down.	No buzzer tones.	
Momentary PED trigger or safety beam circuit trigger.		Pedestrian auto-close timer resets.	No buzzer tones.	
Pedestrian auto-close timer times out.		Buzzer beeps pre-run warning.		
After buzzer silences.		Gate begins closing.	No buzzer tones.	
At full closed position.		Gate stops.	No buzzer tones.	

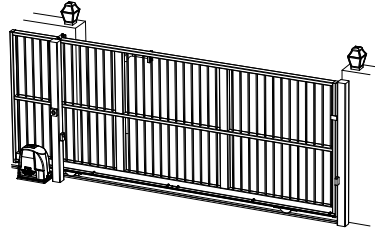
		Auxiliary relay modes. Strike lock mode.		Basic operating features
<p>With Strike lock mode selected, the auxiliary relay will pulse momentarily, half a second before the gate opens.</p> <p>Whenever a lock is installed with the system, a separate battery backed up power supply matching the lock load must be installed. Failure to do this can damage the charger and battery of the control unit.</p> <p>Below is an example of strike lock mode when standard BT mode is active.</p>				
				
Action		Response		
Momentary BT trigger.		Auxiliary relay activates.	No buzzer tone.	
Half a second after the auxiliary relay has activated.		Gate begins opening.	No buzzer tone.	
After the preprogrammed relay on time.		Auxiliary relay deactivates and gate continues opening.	No buzzer tone.	
Gate reaches open position.		Gate stops.	No buzzer tone.	
Momentary BT trigger.		Gate begins closing.	No buzzer tone.	
At full closed position.		Gate stops.	No buzzer tone.	


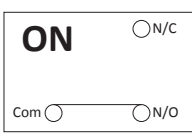

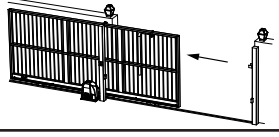
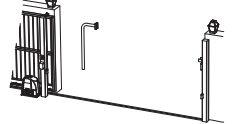

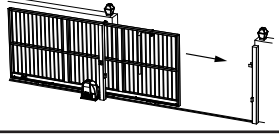

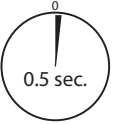
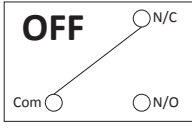
Basic operating features	Auxiliary relay modes. Magnetic lock mode.	
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With Magnetic lock mode selected, the auxiliary relay will activate, half a second before the gate opens and remain active until half a second after the gate has closed again.


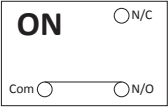

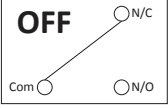
Whenever a lock is installed with the system, a separate battery backed up power supply matching the lock load must be installed. Failure to do this can damage the charger and battery of the control unit.


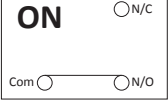
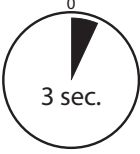
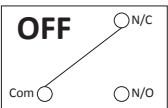
Below is an example of magnetic lock mode when standard BT mode is active.



Action		Response		
Momentary BT trigger.		Auxiliary relay activates.	No buzzer tone.	
Half a second after the auxiliary relay has activated.		Gate begins opening.	No buzzer tone.	
Gate reaches open position.		Gate stops.	No buzzer tone.	
Momentary BT trigger.		Gate begins closing.	No buzzer tone.	
At full closed position.		Gate stops.	No buzzer tone.	
Half a second after gate has reached the full closed position.		Auxiliary relay deactivates.	No buzzer tone.	

	Auxiliary relay modes. Receiver relay mode.	Basic operating features
<p>With Receiver relay mode selected, the auxiliary relay will operate in exactly the same way as a single channel receiver would, whenever a transmitter button programmed into the "Relay" receiver function is pressed and released.</p>		

Latch mode.				
The transmitter must be released and pressed again to toggle the relay each time.				
Action		Response		
Momentary relay trigger.		Auxiliary relay switches on.	No buzzer tones.	
Momentary relay trigger.		Auxiliary relay switches off.	No buzzer tones.	

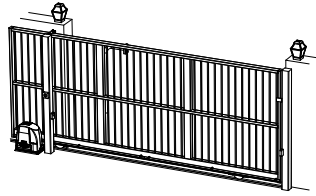
One shot pulse mode.				
The transmitter must be released and pressed again to reactivate the relay each time.				
Action		Response		
Momentary relay trigger.		Auxiliary relay switches on.	No buzzer tones.	
After relay timer has timed out.		Auxiliary relay switches off.	No buzzer tones.	

Basic operating features	Auxiliary relay modes. Courtesy light mode.	
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With courtesy light mode selected, the auxiliary light will switch on as the gate begins opening and remain on for 3 minutes after the gate has closed.

The auxiliary relay can also be triggered to switch on without the gate opening by simply pressing and releasing any remote button programmed into the auxiliary relay function of the receiver.

Below is an example of courtesy light mode when standard BT mode is active.



Action		Response		
Momentary BT trigger.		Auxiliary relay activates.	No buzzer tone.	
		Gate begins opening.		
Gate reaches open position.		Gate stops.	No buzzer tone.	
Momentary BT trigger.		Gate begins closing.	No buzzer tone.	
		Gate stops.		
At full closed position.		Relay on timer begins counting down.	No buzzer tone.	
		Auxiliary relay deactivates.		
After relay on timer timeout.				

If any remote button programmed into the auxiliary relay function is pressed momentarily, the following will occur.

Auxiliary relay status	Action		Response		
	Momentary auxiliary relay trigger.		Auxiliary relay switches on for 1 hour.	No buzzer tone.	
	Momentary auxiliary relay trigger.		Auxiliary relay switches off.	No buzzer tone.	

	Auxiliary relay modes. Alarm modes.	Advanced features
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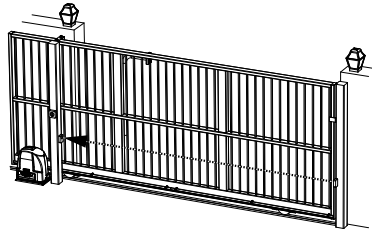
Beam Tamper Alarm.

In cases where the safety beams have been tampered with, the safety protocols will still allow the gates to open but will not allow the gates to close. This safety feature can be turned into a security risk by anyone with ill intention. The beam tamper alarm feature gives you a early warning of any tampering that may have occurred while you were away from the property. If the gates are in the closed position and the safety beam input is trigger for longer than 20 seconds, then the auxiliary relay will become active in this mode. This would usually be connected to a visual warning device such as a light or to a zone on the household alarm system.

In the case of a light being used, on approach to the entrance the user is alerted to the attempt to compromise their security. Our advice is that the user not trigger the gates to open, in this situation, but rather to continue driving to their nearest armed response standby point or to the nearest police station. This way they can ask for an escort onto the property.

Beam tamper alarm mode is available in all modes of operation so long as a set of safety beams is installed.

Gate closed.



Action		Response		
Safety beam equipment tampered with while gates are in the closed position.		Auxiliary relay remains in standby status.		
20 seconds after safety beam equipment has been tampered with.		Auxiliary relay activates.		
Safety beam equipment returned to normal functioning status.		Auxiliary relay returns to standby.		

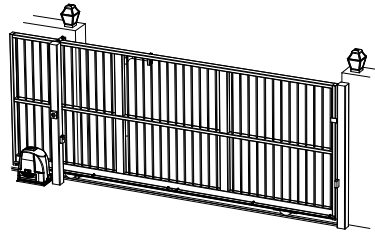
Gate forced open alarm.


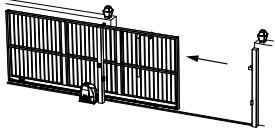
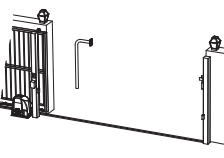

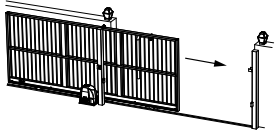

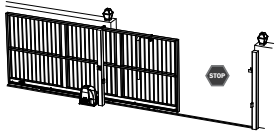

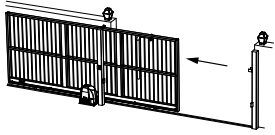

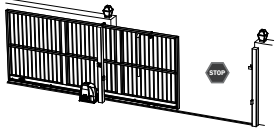

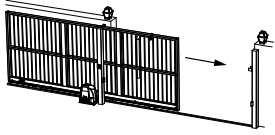
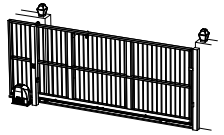
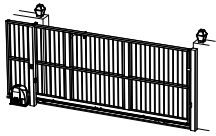

In a case where the gate is physically lifted off its track and forced open, the auxiliary relay will immediately activate. The auxiliary relay will only reset when the gate is returned to normal secured condition in the closed position.

Action		Response		
Gate secured in the closed position. Standing by.		Auxiliary relay remains in standby status.		
Attempt to lift gate off track and force open.		Auxiliary relay activates.		
Gate resecured in the closed position. Standing by.		Auxiliary relay returns to standby.		

Advanced features	Positive close mode.	
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With positive close mode activated, the gate will surge onto the closed stopper after seeing the closed limit. This feature is useful when installing an electric lock or when trying to ensure an electric fencing gate contact always closes when the gate is in the closed position.



	Action	Response		
Momentary BT trigger.		Gate begins opening.	No buzzer tones.	
At full open position.		Gate stops.	No buzzer tones.	
Momentary BT trigger.		Gate begins closing.	No buzzer tones.	
Momentary BT trigger.		Gate stops.	No buzzer tones.	
Momentary BT trigger.		Gate begins opening.	No buzzer tones.	
Momentary BT trigger.		Gate stops.	No buzzer tones.	
Momentary BT trigger.		Gate begins closing.	No buzzer tones.	
At full closed position.		Closed limit activates.	No buzzer tones.	
When the closed limit activates.		Gate continues to surge onto the mechanical closed stopper.	No buzzer tone.	

Holiday lock-out mode.

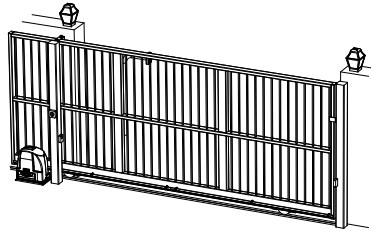
Advanced features

This feature is useful at times when access to the property needs to be disallowed to secondary level key holders, such as housekeepers or the garden service company, for extended periods of time. An example of when the holiday lock-out function would be useful is when the home owner is away on holiday. With holiday lock-out mode active, any trigger on any input will simply result in the control card beeping to indicate the gates are being kept locked intentionally. As soon as the holiday lock-out mode is deactivated, the system will resume normal operation.

Holiday lock-out will only work in the closed position.

Holiday lock-out is not available in condominium mode.

Gate must be closed to start.

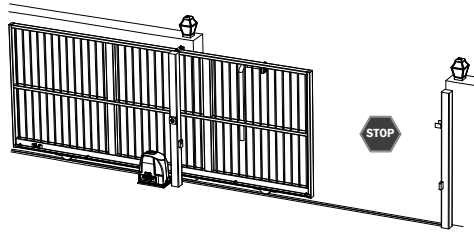


Action		Response		
Momentary trigger from any transmitter button programmed into holiday lock-out function.		Buzzer begins toning and status LED comes on.	x 5 sec. 	
BT button while buzzer is sounding to confirm that you want to activate holiday lock-out. If no BT button is pressed during this 5 second window, the holiday lock-out status will not change.		Buzzer and status LED beep/flash rapidly.	x 5 rapid. 	
Any BT or PED triggers.		Gate does not open. Buzzer, status LED.	x 5 rapid. 	
Momentary trigger from any transmitter button programmed into holiday lock-out function.		Buzzer begins toning and status LED comes on.	x 5 sec. 	
BT button while buzzer is sounding to confirm that you want to deactivate holiday lock-out. If no BT button is pressed during this 5 second window, the holiday lock-out status will not change.		Buzzer beeps, status LED reverts to gate running indication and gate begins opening.	x1 	
Normal operation is now functional.				

This feature is useful at times when the gate must be kept open for extended periods of time. When cutting the lawn on the pavement for instance. With Auto-close override/party mode active any trigger on any input will simply result in the control card beeping to indicate the gate is being kept open intentionally. As soon as auto-close override/party mode has been deactivated, the system will resume normal operation.

Auto-close override/party mode will work in any position except the closed position.
Auto-close override/party mode is not available in condominium mode.

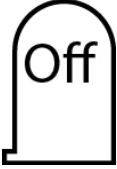
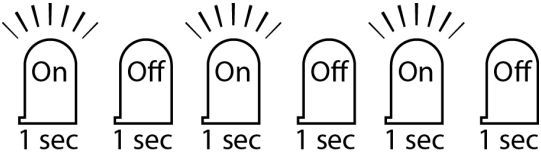
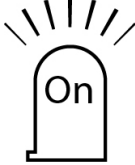

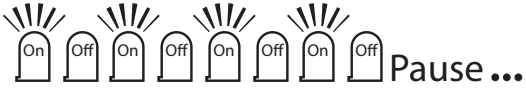

Gate in any position
except closed.



Action		Response		
Momentary trigger from any transmitter button programmed into holiday lock-out function.		Buzzer begins toning and status LED comes on.	x 5 sec. 	
BT button while buzzer is sounding to confirm that you want to activate Auto-close override/party mode. If no BT button is pressed during this 5 second window, the auto-close/party mode status will not change.		Buzzer and status LED beep/flash rapidly.	x 5 rapid. 	
Any BT or PED triggers.		Gate does not move. Buzzer, status LED beep/flash rapidly to confirm status.	x 5 rapid. 	
Momentary trigger from any transmitter button programmed into holiday lock-out function.		Buzzer begins toning and status LED comes on.	x 5 sec. 	
BT button while buzzer is sounding to confirm that you want to deactivate Auto-close override/party mode. If no BT button is pressed during this 5 second window, the Auto-close override/party mode status will not change.		Buzzer beeps, status LED reverts to gate running indication and gate begins closing.	x1 	

Normal operation is now functional.

Status LED indications and buzzer guide.

Description	Visual confirmation	Buzzer	Reason
Static off.		None	Gate fully closed.
Flashing slow 1 second on and 1 second off.		None	Gate running normally.
Static on.		None	Gate open.
2 x 0,5s flashes followed by a 2 second pause.		1 x 1 second beep every 15 seconds for 5 minutes after gate transaction.	AC mains off. Restore AC as soon as possible.
4 x 0,5s flashes followed by a 2 second pause.		1 x 1 second beep every 15 seconds for 5 minutes after gate transaction.	Battery low. Allow at least 8 – 10hr uninterrupted charge before checking again.
5 x 0,125s rapid flashes each time a trigger is received.		Mimics LED.	A lock-out mode is active. See Holiday Lock-out and Party Mode in advanced operating features pages.

Display definitions and troubleshooting guide.

Displayed on screen.	Definition.	Solution.
In normal operating mode.		
rdy	Unit is standing by and ready for next instruction.	Trigger to run a required routine.
Ac	Charger powered down due to Vac mains interruption.	Check 220Vac or 29Vac supply to the unit.
bAt	Battery is either disconnected or discharged.	Allow 8-10 hours uninterrupted charge before trying to operate the unit again. If the battery has not recovered after this, then replace the battery.
rEL	Gearbox manual release is in released (Manual) position.	Lower the release lever to engage gearbox. Page 6.
irb	Infra-red beams circuit is being triggered.	Remove obstruction from the path of the safety beams. Page 8.
hol	Control card is in Holiday Lock-out mode.	Follow the steps on page 21 to deactivate Holiday Lock-out.
PAr	Control card is in Party mode.	Follow the steps on page 22 to deactivate Party mode.
col	Multiple collision lock-out active.	See page 7 or contact your service provider. Page 2.
For	Safety overload triggered by physical overload.	See page 7 or contact your service provider. Page 2.
rEF	Referencing the gate closed position.	See "Referencing the closed position" on page 6.
E-L	Failure to see the closed limit.	Contact your service provider. Page 2.
oPn	Gate is open.	Trigger gate to close.
P-r9	Control card is in Programming mode.	Press and release X to exit programming mode.
E1	Revolution counter/encoder failure.	Contact your service provider. Page 2.
E3	Motor is disconnected, motor fuse is fused or electric motor is faulty.	Contact your service provider. Page 2.

Receiver user address log											
Address	Functions				User identification	Address	Functions				User identification
	BT	PED	RLY	HOL			BT	PED	RLY	HOL	
001						017					
002						018					
003						019					
004						020					
005						021					
006						022					
007						023					
008						024					
009						025					
010						026					
011						027					
012						028					
013						029					
014						030					
015						031					
016						032					

WARRANTY:

1. All goods manufactured by ET NICE (Pty) Ltd carry a 12 month factory warranty from date of invoice.
2. All goods are warranted to be free of faulty components and manufacturing defects.
3. Faulty goods will be repaired or replaced at the sole discretion of ET NICE (Pty) Ltd free of charge.
4. This warranty is subject to the goods being returned to the premises of ET NICE (Pty) Ltd.
5. The carriage of goods is for the customer's account.
6. This warranty is only valid if the correct installation and application of goods, as laid out in the applicable documentation accompanying said goods, is adhered to.
7. All warranty claims must be accompanied by the original invoice.
8. All claims made by the end user must be directed to their respective service provider/installer.

The following conditions will disqualify this product from the warranty as laid out above. These conditions are non- negotiable.

1. Any unauthorized non-manufacturer modifications to the product or components thereof.
2. Any modification to the installation methods described in the installation instructions.
3. Any application or use of the product other than the intended use and application described in the product documentation.

The following items are not included in the warranty or they carry a special warranty condition of their own.

1. The battery (Limited 6 month warranty)
2. The motor brushes.
3. Damage resultant of wind and other climatic influences such as lightning strikes.
4. Damage due to high voltage surges on the household mains or short circuiting of the gates to the electric fencing.
5. Damage due to infestation i.e. Ants nesting...
6. Water damage. It is the responsibility of the installer to ensure the product is installed in a location that is protected from water ingress. The ingress protection rating is specified in the accompanying documentation. Housings that require that cable entries are made by the installer do not carry an ex-factory ingress protection rating as it is the responsibility of the installer to seal the cable entry points after installation of the cabling.