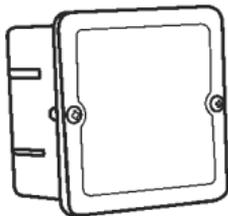


English

Installation Instructions - For Service Persons Only

Gate Alarm transmitter unit

Model No: GATE_ALARM

Technical Specifications:

Model:	GATE_ALARM
Encryption type:	Code hopping
Transmission frequency:	403MHz / 433MHz
Transmission method:	OOK
Modulation	AM
Transmission range:	100m "Line of sight" 50m"Indoors"
Battery life duty cycle:	30 000
Voltage range:	3VDC or 12VDC jumper select
Standby current consumption:	+/-1uA 10%
Current consumption on TX:	+/-15mA 10%
Operating Temperature:	-3°C to 49°C
Dimension (lxbxh)	124 x 80 x 30mm
Gross weight:	210g

Features:

Code-Hopping Encryption; Bypass Input for setting up a 24 hour system
Tamper switch input; 1 or 3 Minute time out; 12V DC input; Weather proof housing
Frequency stability controlled +/- 75KHz

Approvals:

This product is approved for use in residential, commercial and light Industrial environment and complies with the essential protection requirements of the R&TTE Directive 1999/EC on the approximation of the laws of the Member states relating to electromagnetic compatibility and radio spectrum.

Certifications:

ETSI EN300 220-V2.4.1
ETSI EN301-489-3 V1.4.1
ETSI EN301-489-1 V1.9.2
IEC 60950-1:2005 + A1:2009
ICASA TA-2018/351



Order Codes:

Gate Alarm Transmitter unit: 3V or 12V	GATE ALARM
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Warranty

This product is sold subject to our standard warranty conditions and is warranted against defects in workmanship for a period of two years.

Customer Support line: +2711 462 5101 E-mail: technical@sherlotronics.co.za

Mounting advice

The plastic housing is water proof, and must be mounted externally on the inside of the gate, close to the gate opening. It is not recommended to mount the GATE ALARM unit lower than 500mm from the ground as this will affect its RF performance and operating distance.

Check the diagram below for the best mounting position. The unit can be installed as close to the gate motor as possible so that one can easily run a wire from the gate motor's receiver input to bypass the Alarm signal.



Securely mount & screw the Magnet to the end of the Gate. Align the Wide Gap Reed switch as close to the magnet as possible and securely mount & screw the unit to the wall or post of the gate. Once this is done, position the Gate Alarm transmitter housing slightly above the reed switch onto the wall or post.

Programming the Gate Alarm to a Receiver

1. Default the Receiver unit before you begin a new installation. This erases all previously programmed transmitters.
2. Press the LEARN switch on the Receiver.
3. Press the **TRANSMIT** switch on the GATE ALARM unit.
4. The Receiver will beep twice when it learns the signal from the GATE ALARM unit.
5. Press the LEARN switch again on the receiver to exit out of learn mode. (1 x Long beep)

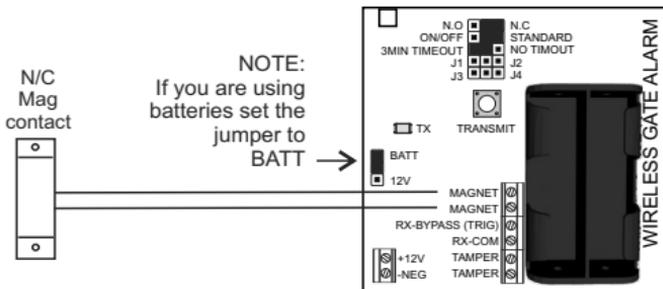
Gate Alarm setup on a Alarm panel

The Gate Alarm can be installed and used like a standard Intruder zone on an alarm panel. This means that it will transmit an Alarm signal every time the gate is opened and trigger the receiver. The Alarm panel will only activate when the Alarm panel is armed. It is a good idea to set the zone onto a Chime output so that the Alarm panel's keypads chime's a beep every time the gate is opened.

Optional settings:

3MIN TIMEOUT jumper: This setting enables the unit to transmit an alarm signal if the gate is left open for longer than 3 minutes. It is shown set in the diagram below.

TAMPER hard wire input: By wiring in a N.O tamper switch the unit will transmit an alarm signal if the lid of the housing opens. This feature is optional.



Jumper Settings

N.O	Normally Open trigger input.
N.C	Normally Closed trigger. (The supplied mag switch is a N.C)
ON/OFF	The Receiver will switch its Relay Open when the gate is open, & the relay will close when the gate closes.
STANDARD	Transmits every time the gate opens.
3MIN TIMEOUT	Transmits if the Gate is left Open for more than 3 Minutes
J1	Transmits if the Gate is left Open for more than 1 Minutes
J3	The gate alarm unit will transmit a Supervision signal every 15minutes This will only work on a compatible SUPERVISION enabled receiver. Model RX8-500

Gate Alarm monitoring the Open or Closed state

If you want the Gate alarm unit to monitor the Open or Closed state of a gate or a garage door it is easily achieved by setting the jumper to ON/OFF. Once this is done you will need to program a receiver unit which will also need to be set on the ON/OFF jumper setting. Follow the procedure below:

1. Default the receiver unit before you begin a new installation. This erases all previously programmed remote codes.
2. Select the 1 sec & 3 sec relay time jumpers respectively or the ON/OFF setting on both the receiver and gate alarm.
3. Press the LEARN switch once on the receiver to enable the (ON) > (1 x beep)
4. Press the TRANSMIT button on the gate alarm unit now. (2 x short beeps will sound on the receiver when it learns the code)
5. Press the LEARN switch on the receiver again to now enable the (OFF) > (2 x beeps)
6. Press the TRANSMIT button on the gate alarm unit again. (2 x short beeps sound on the receiver when it learns the code)
7. **To exit..** out of learn mode on the receiver press the LEARN button. > (Long beep)

Gate Alarm setup as a 24 hour zone

If you want to set up the GATE ALARM system as a 24 Hour zone on to an Intruder Alarm system, then you will need to run a wire from the gate motor's Receives N.O & Common back to the GATE ALARMS [RX-BYPASS (TRIG)]. This will bypass the GATE ALARMS signal every time the gate is opened by a valid remote control or intercom press switch. If in the event the gate is forced open or lifted the Gate Alarm unit will transmit out its alarm signal which can trigger a receiver that is wired to an alarm panel and set as a 24 Hour emergency zone. It is optional if you want to wire in the 12VDC from the gate motor's power supply.

Optional settings:

3MIN TIMEOUT jumper: This setting enables the unit to transmit an alarm signal if the gate is left open for longer than 3 minutes. It is shown set in the diagram below.

TAMPER hard wire input: By wiring in a N.O tamper switch the unit will transmit an alarm signal if the lid of the housing opens. This feature is optional.

