GEMINI®
ALARM SYSTEMS

7854T

INSTALLER MANUAL

UK

CE

Made in Italy

AC 2684 - REV.02 - 06/14

UK

TABLE OF CONTENTS

PRELIMINARY ADVICE

Please read all instructions and understand them thoroughly before starting installation.

The following signal words are used throughout this manual to emphasize important instructions or special information.

⚠ WARNING

Non-compliance to this instruction could result in serious damage to the alarm system and the vehicle itself.

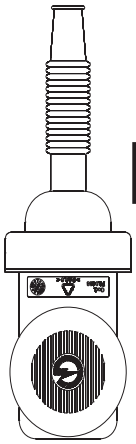
CAUTION

Non-compliance to this instruction may cause serious damage or operational failures to the alarm system.

NOTE

Provides useful installation tips.

ALARM POSITIONING



NO!

Do not install the alarm unit in this position as water ingress over time may seep through the rubber sheath and permanently damage the electronic circuit making the alarm system unreliable.
Eventual malfunctioning due to water infiltration is not covered by warranty.

OK!

- Install the control unit in this position will prevent water entering the unit.
- Give the rubber sheath a 'goose-neck' bending as shown in the picture opposite and secure with a tie wrap.
- The alarm unit must not be exposed to atmospheric agents but must be installed in such a way as not to muffle the siren.
- The unit must be installed away from moving mechanical parts, electric or electronic components that could generate high frequency electromagnetic disturbances and away from devices that could reach high temperatures when the vehicle is in use.
- The control unit must not be installed directly on the vehicle frame.

If a jet wash is used to clean the vehicle, protect the alarm unit from water splashes and be careful not to expose it to high pressure jets.

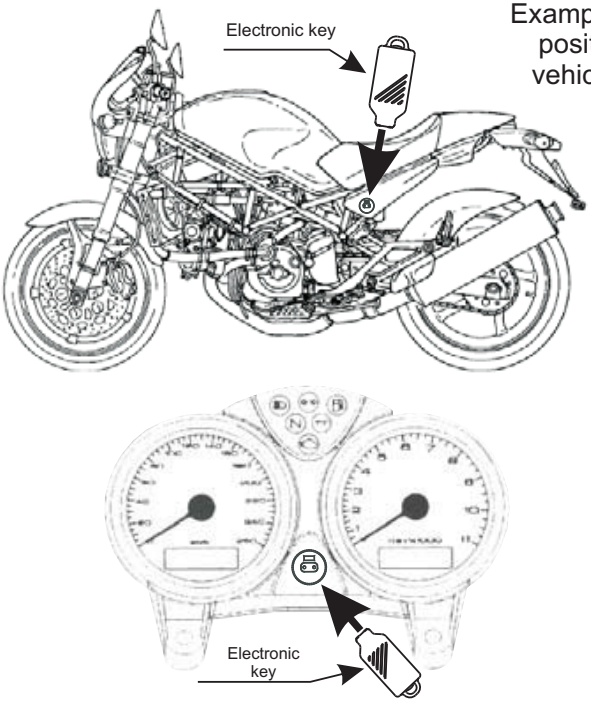
The warranty will not cover damages to the system due to water infiltrations caused by improper installation, improper jet washing or the use of non original accessories, not approved by the manufacturer.

ACCESSORIES POSITIONING

Electronic key receptacle

The receptacle with built-in LED must be installed where it can readily be seen and accessed by the user.

Before drilling a hole in the plastic dash with a 13mm drill bit, check the position of the handlebars with the steering lock engaged. Make sure the LED will not be covered by the handlebars when the vehicle is parked.



Example of receptacle positioning on the vehicle plastic side cover

Contact switch (optional)

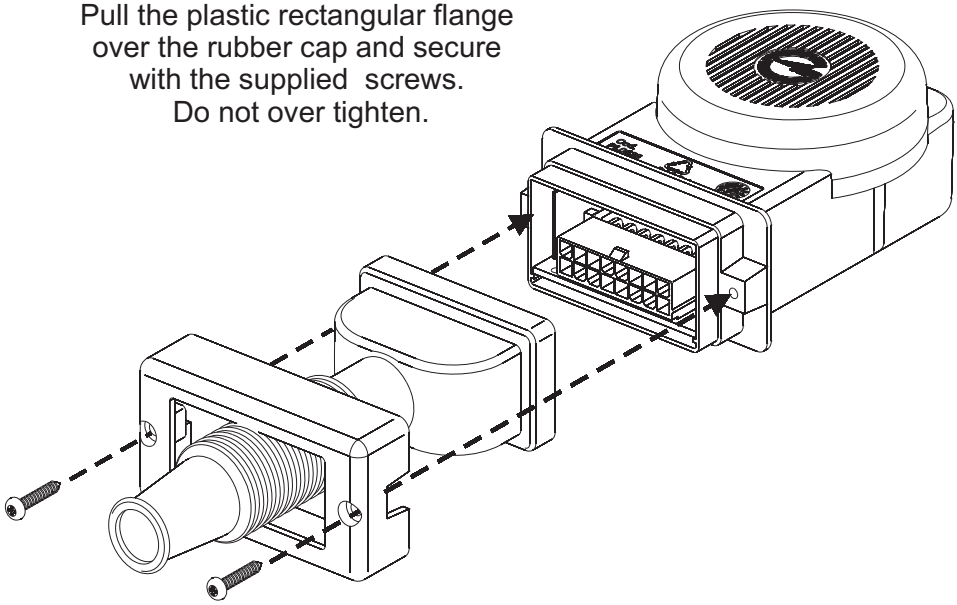
A contact switch can be fitted to protect the seat or topcase. It must be installed in such a way as to detect the opening of the seat/topcase without being accessible from the outside. The trigger threshold must be carefully set to avoid false alarms.

Do not ground the switch terminal to the vehicle frame as it might not be connected to the battery negative pole. Make a connection to earth through a negative cable such as the indicator lamp negative lead.

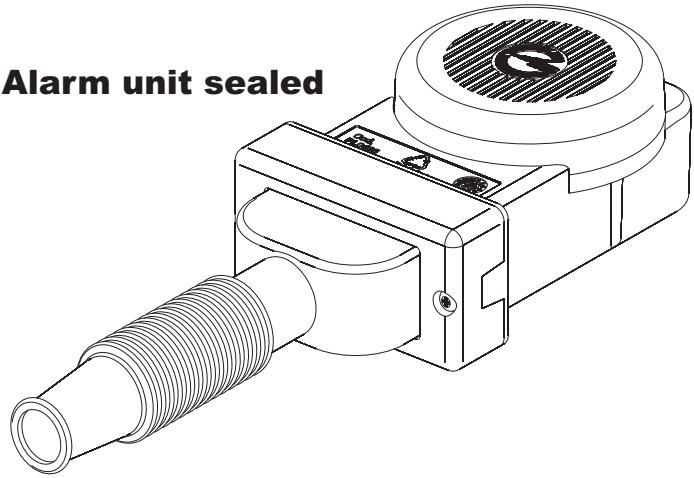
NB: If no contact switch is fitted, the GREEN/BROWN wire will remain free for other possible uses such as programming the alarm or learning new devices.

ALARM UNIT SEALING

To seal the alarm, position the rubber cap over the external edge of the alarm housing.
Pull the plastic rectangular flange over the rubber cap and secure with the supplied screws.
Do not over tighten.

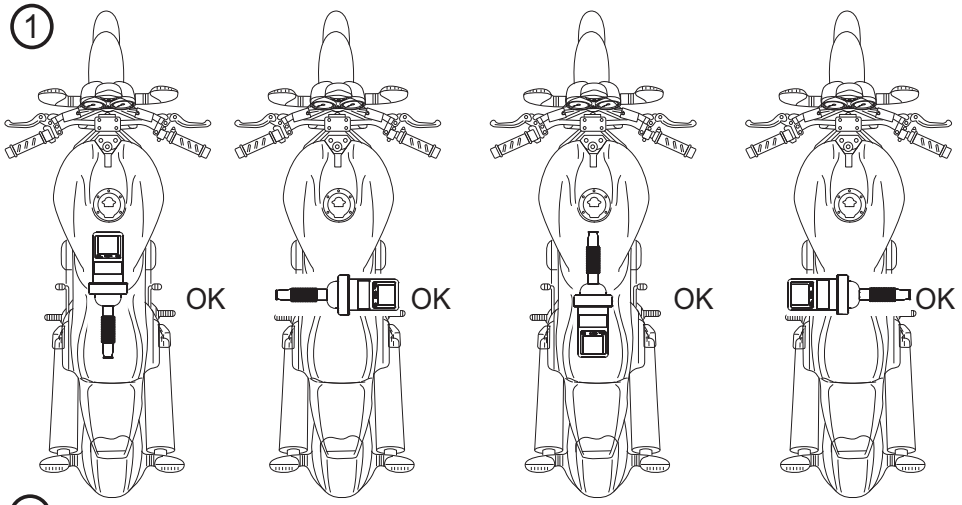


Alarm unit sealed



ALARM POSITIONING FOR MAXIMUM SENSITIVITY

To ensure correct operation of the built-in motion sensor, install the alarm as illustrated below.



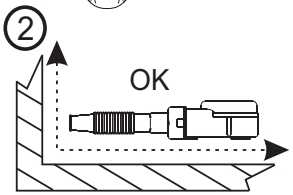
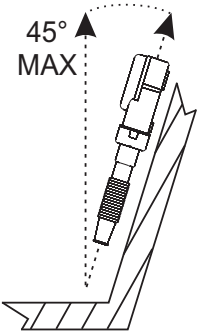


Figure 1: horizontal positioning.



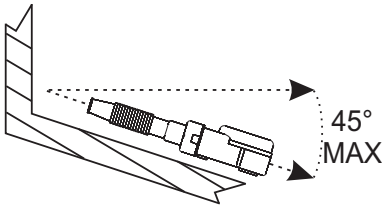


Figure 2: maximum applicable inclination.

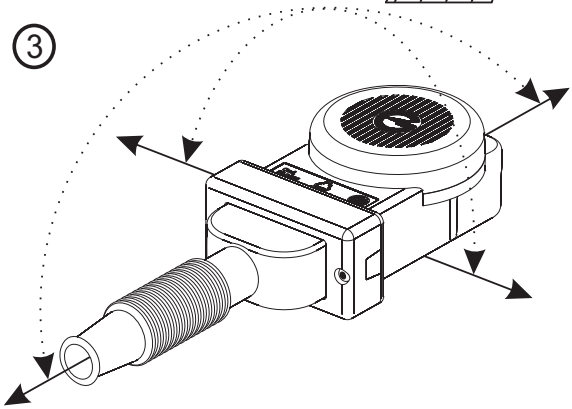


Figure 3: motion sensor operation with alarm fitted horizontally, siren facing up or down.
The sensor will detect any movement of the motorcycle in any direction.

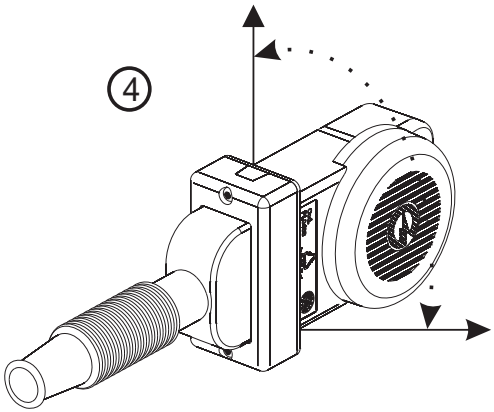


Figure 4: motion sensor operation with alarm fitted, siren facing sideways (only for vehicles with a side stand).
The alarm can be fitted on either the right or left side of the vehicle as long as the siren is turned toward the right side of the vehicle (opposite to the stand).

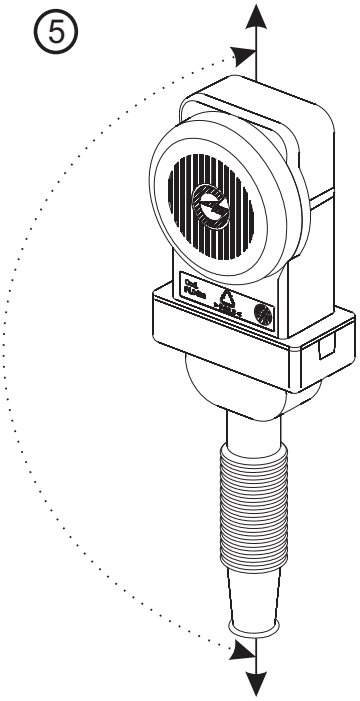


Figure 5: motion sensor operation with alarm fitted vertically (only for vehicles with a centre stand).
To prevent water from entering the unit, the wire rubber sheath must be turned downwards.

NOTE: Prior to mounting, it is recommended that you first test the operation of the sensor to confirm it will work in your intended position.

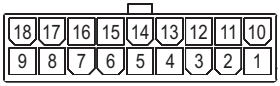
ELECTRICAL CONNECTIONS

WIRE COLOR	*CONNECTION*
Black marked “M”	Connect to battery negative terminal
Black marked “R”	Connect to battery positive terminal
Orange	Connect to right turn indicator light
Orange	Connect to left turn indicator light
Black marked “G”	Connect to ignition (+15/54)
Green/Brown	Connect to seat/topcase contact switch
Pink	Connect to power supply cable of additional module
Yellow/Black	Negative output in alarm
White/Violet	Device learning

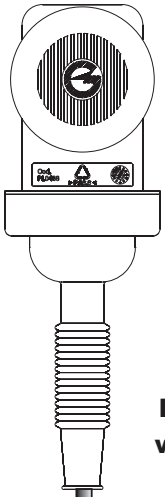
ENGINE IMMOBILISATION by CUTTING WIRES	
WIRE COLOR	*CONNECTION*
BLACK marked “B”	Connect to key switch cut end
BLACK marked “H”	Connect to vehicle electric system cut wire
BLACK marked “HB”	Not applicable
BLACK marked “H1”	Connect to ignition switch positive
BLACK marked “B1”	Connect to ignition switch wire

ENGINE IMMOBILISATION by GROUNDING WIRES	
WIRE COLOR	*CONNECTION*
BLACK marked “B”	Ground to negative (do not connect to vehicle chassis)
BLACK marked “HB”	Connect to the cable end which, if grounded, will lock the engine
BLACK marked “H”	Not applicable
BLACK marked “H1”	Connect to ignition switch positive
BLACK marked “B1”	Connect to ignition switch wire

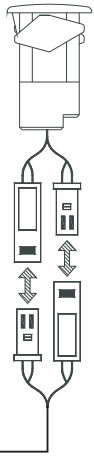
WIRING CONNECTOR



1 Black marked “B1” : Engine immobilisation
2 Brown : Earth for electronic key
3 Black marked “M” : Power supply earth
4 White/Violet : Panic siren input
5 Green/Brown : Contact switch input
6 Pink : Positive output
7 Yellow/Black : Negative output in alarm
8 Black marked “G” : Ignition key positive
9 Black : Negative output for LED
10 Black marked “H1” : Engine immobilisation
11 Green : Electronic key input
12 Black marked “H” : Engine immobilizer (N.C.)
13 Black marked “B” : Engine immobilizer (Com.)
14 Black marked “HB” : Engine immobilizer (N.A.)
15 Orange : Turn indicator light
16 Red : Positive output for LED
15 Orange : Turn indicator light
17 Black marked “R” : Positive power supply
18 Black : Antenna



Electronic key



Receptacle with built-in LED

Connections for turn indicator light

Orange — 15A

Orange — 15A

Installation should be mandatory

Seat/topcase switch

Green/Brown

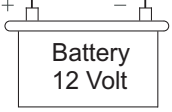
Ground

Optional fuse (recommended)

10A

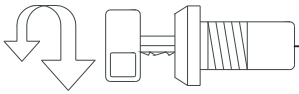
Red

Brown



Vehicle battery

Ignition key



Yellow

Engine immobilizer

Black marked “H”
Normally close contact

Black marked “B”
Common contact

Black marked “HB”
Normally open contact

Black marked “B1”
Common contact

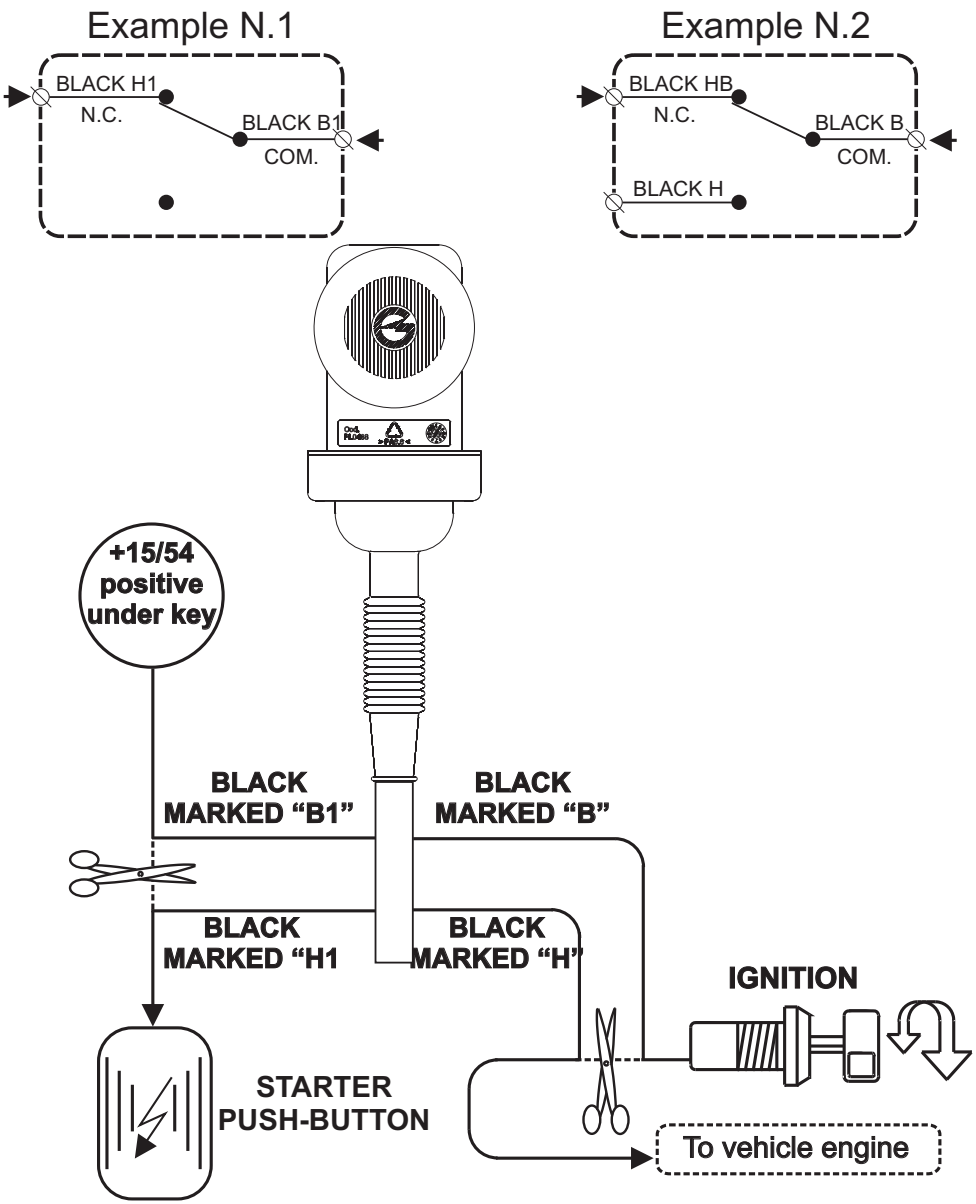
Black marked “H1”
Normally close contact

Green/Black

Pink

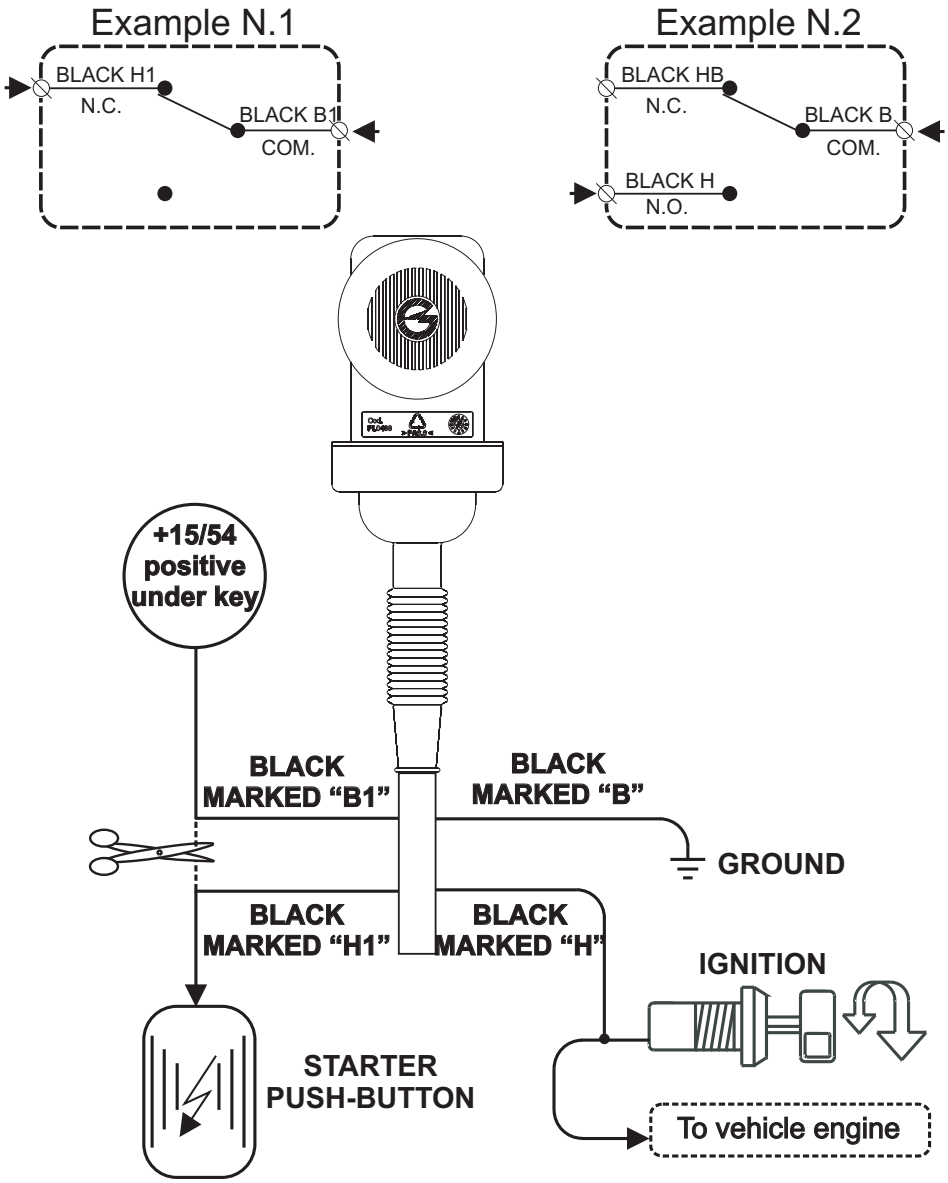
(Max 10 mA)

DOUBLE ENGINE IMMOBILISATION
ELECTRONIC IGNITION



NOTE: above examples are merely indicative and not restrictive.

DOUBLE ENGINE IMMOBILISATION
GROUNDED WIRE



NOTE: above examples are merely indicative and not restrictive.

LEARNING NEW DEVICES

(With BROWN/GREEN wire ground connection)

The alarm is supplied with 2 remote controls and 1 electronic key but other optional devices can be added.

NB: the alarm unit can store up to 8 devices (remote controls, electronic keys or other wireless devices).

To learn a new device, proceed as follows:

- Make sure passive arming is disabled.
- Arm and then disarm the alarm via remote control or electronic key.
- Lift the seat or open the topcase or, if there is no contact switch, ground the BROWN-GREEN wire.
- Connect the WHITE-VIOLET wire to ground.
- Turn ignition key to “ON”.
- Two flashes of the turn indicators and two beeps (high and low) will confirm the system is in learn mode.
- Remove the WHITE-VIOLET wire from ground.
- Depending on which device is to be learned either press one of the remote control buttons OR insert the electronic key in its receptacle OR make the magnetic contact transmit (bring contact and magnet together and then move apart) OR press the button on the opening detector, make the infrared sensor or wireless hyper-frequency sensor transmit (see relative instructions).
- A flash of the turn indicators and a high beep will confirm the operation has been completed successfully.
- To learn another device, grounf the WHITE-VIOLET wire for 1”.
- To exit the learning procedure, turn ignition key “OFF”.
- A low pitched beep and a flash of the turn indicators will confirm the end of the procedure.
- Close the seat/topcase or remove the BROWN/GREEN wire from ground.

NB: Storing memory is for 8 devices. Saving an extra device will automatically delete the first one.

LEARNING NEW DEVICES

(Without BROWN/GREEN wire ground connection)

The alarm is supplied with 2 remote controls and 1 electronic key but other optional devices can be added.

NB: the alarm unit can store up to 8 devices (remote controls, electronic keys or any other wireless device).

To learn a new device, proceed as follows:

- Make sure passive arming is disabled.
- Arm and then disarm the alarm via remote control or electronic key.
- Turn ignition key to “ON”
- The status LED will turn ON for 1”;
- While the LED is ON, simultaneously press both buttons on the remote control or insert the electronic key into its receptacle.
- Two flashes of the turn indicators and two beeps (high and low) will confirm the system is in learn mode.
- Depending on which device is to be learned either press one of the remote control buttons OR insert the electronic key in its receptacle OR make the magnetic contact transmit (bring contact and magnet together and then move apart) OR press the button on the opening detector, make the infrared sensor or wireless hyper-frequency sensor transmit (see relative instructions).
- If another device needs to be learned, wait 2” seconds before doing so.
- To exit the learning procedure , turn ignition key “OFF”.
- A low pitched beep and a flash of the turn indicators will confirm the end of the procedure.

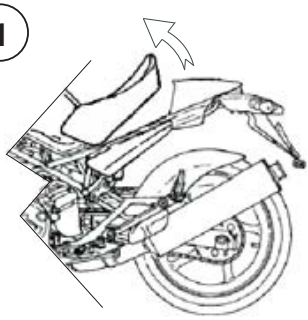
NB: Storing memory is for 8 devices. Saving an extra device will automatically delete the first one.

PROGRAMMABLE FEATURES

To either enable or disable one of the programmable features proceed as indicated hereafter.

NB: Remember to ALWAYS arm and disarm the alarm before programming.

1



With the alarm disarmed, lift the seat or topcase.

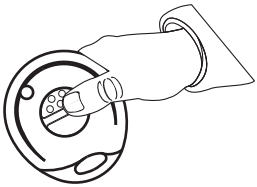
2

Turn ignition key to “ON”.

3

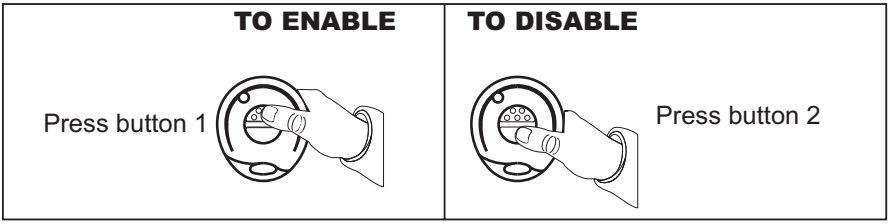
The LED will light up for approx. 1”.

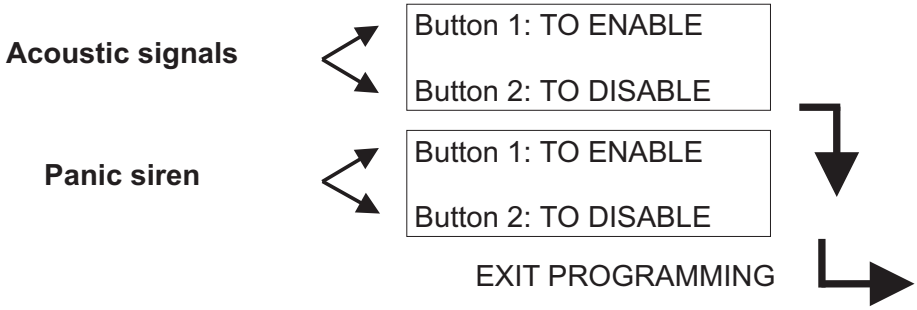
4



<u>While the LED is ON</u> simultaneously press the 2 buttons on the remote control. Two beeps (a low and a high tone beep) will confirm the system is in programming mode.The LED will light up steady.

After pressing both buttons simultaneously (step 4), program the features according to your needs.





PROGRAMMING EXAMPLE

To help you understand the programming procedure, here below is an example showing how to activate both features.
Keep in mind that, at every button press, the system automatically scrolls to the next feature.

- With the alarm disarmed, lift the seat or open the topcase.
- Turn ignition key in “ON”; the LED will light up for 1”.
- While the LED is ON, simultaneously press the 2 buttons on the remote control. Two beeps will confirm that the system is in programming mode. The LED will turn ON steady.
- Press button 1 on the remote control, a high-tone beep will confirm that acoustic signals have been enabled.
- Press button 1 again, a high-tone beep will confirm that the panic siren has been enabled.
- When the last feature is programmed, the system automatically exits the programming procedure. Three low tone beeps followed by a high tone beep will confirm the end of the procedure. The status LED will also turn OFF.
- Turn ignition key “OFF” and close the topcase/seat.

NB: You can exit the programming procedure at any time by turning ignition key “OFF”. Programmed features will automatically be saved while the others will remain unvaried.

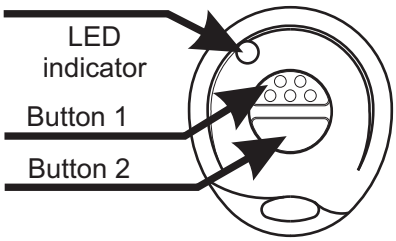
REMOTE CONTROL

The remote control has 2 different function buttons each of which corresponds to a control signal that activates a selected action according to the operational condition and alarm configuration.

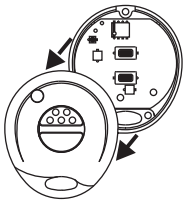
The textured button is for arming/disarming the alarm while the smooth button is used to exclude or trigger the siren.

Button 1:
- Alarm activation/deactivation
- Panic siren activation/deactivation

Button 2:
- Trigger or stop siren during an alarm condition
- Siren activation/deactivation upon arming
- Hazard lights activation

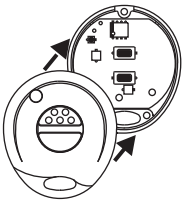


The remote control has a low charge battery indicator that gives you early warning to avoid malfunctioning. When the batteries are fully charged, the LED will show a steady light at the press of a button. If the batteries are too weak for normal operation, the LED will start blinking at the press of a button. To replace the batteries proceed as follows:



Separate the shell halves taking care not to damage the internal circuit.

Remove the discharged batteries and insert the new ones taking care not to invert the polarity.



Close the plastic shells and make sure the remote works properly.

Use only CR1616 alkaline batteries.
Different type batteries can seriously damage the remote control unit. Discard used batteries properly in special dedicated containers.

WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) DIRECTIVE

The present device does not fall within the scope of Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE) as specified in art. 2.1 of L.D. no. 151 of 25/07/2005.

TECHNICAL SPECIFICATIONS

Nominal supply voltage:	12 Vdc
Load @ 12Vdc:	< 1mA (alarm armed and LED flashing)
Load in sleep mode:	< 1µA
Siren sound level:	118 dBA @ 1 meter
Relay capacity:	8A

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