839
CENTRAL LOCKING MODULE

INSTALLATION AND USE MANUAL

(UK)

CE

Made in Italy

AC2729 Rev.01 - 05/22

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1.0 - INTRODUCTORY NOTE

Dear customer, thank you for purchasing this 12/24V universal central locking module supplied with two 1-button remote controls. Please read this manual carefully to familiarize yourself fully with the operation of this system and do keep it handy for future reference.

The following signs are used throughout the manual to emphasize important instructions or special information:

> **For the user.**
> This sign highlights useful information.

> **For the installer.**
> This sign indicates that the system will work according to the connections and the programming selected or it highlights useful installation tips.

USER MANUAL

2.0 - SYSTEM OPERATION

> The LED mentioned in this manual is an optional component and therefore not included in the kit. Consider operation details only if the LED is fitted.

2.1 - VEHICLE DOOR LOCKING

Press the remote control button; the turn indicators will flash twice and the LED will light up steady for 10 sec. to confirm that doors have locked. The LED will then start flashing until the system is disarmed.

2.2 - VEHICLE DOOR LOCKING AND WINDOW ROLL UP

If the comfort feature is enabled, windows will roll up automatically when the doors are locked. In this case the LED will light up steady during the comfort locking and remain ON for another 10 sec. afterwards.
If you have a 2-button remote control, the comfort feature can be excluded by pressing the textured button (lock) followed by the smooth button (comfort exclusion).

2.3 - VEHICLE DOOR UNLOCKING

Press the remote control button; 3 flashes of the turn indicators will confirm that doors have unlocked.

3.0 - REMOTE CONTROL BATTERY REPLACEMENT

If the indicator LED on the remote control flashes at the press of a button, the battery is weak and must be replaced as follows:

Separate the shell halves. Be careful not to damage the internal circuit.
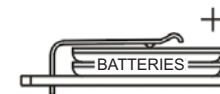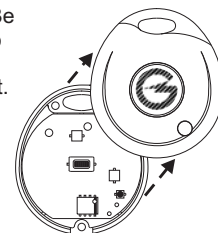
BATTERIES

Remove the discharged batteries and insert the new ones taking care not to invert the polarity.
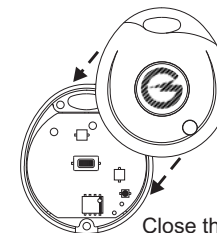
Close the shells and make sure the remote control works properly.

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

INSTALLER MANUAL

4.0 - CONNECTOR PINOUT

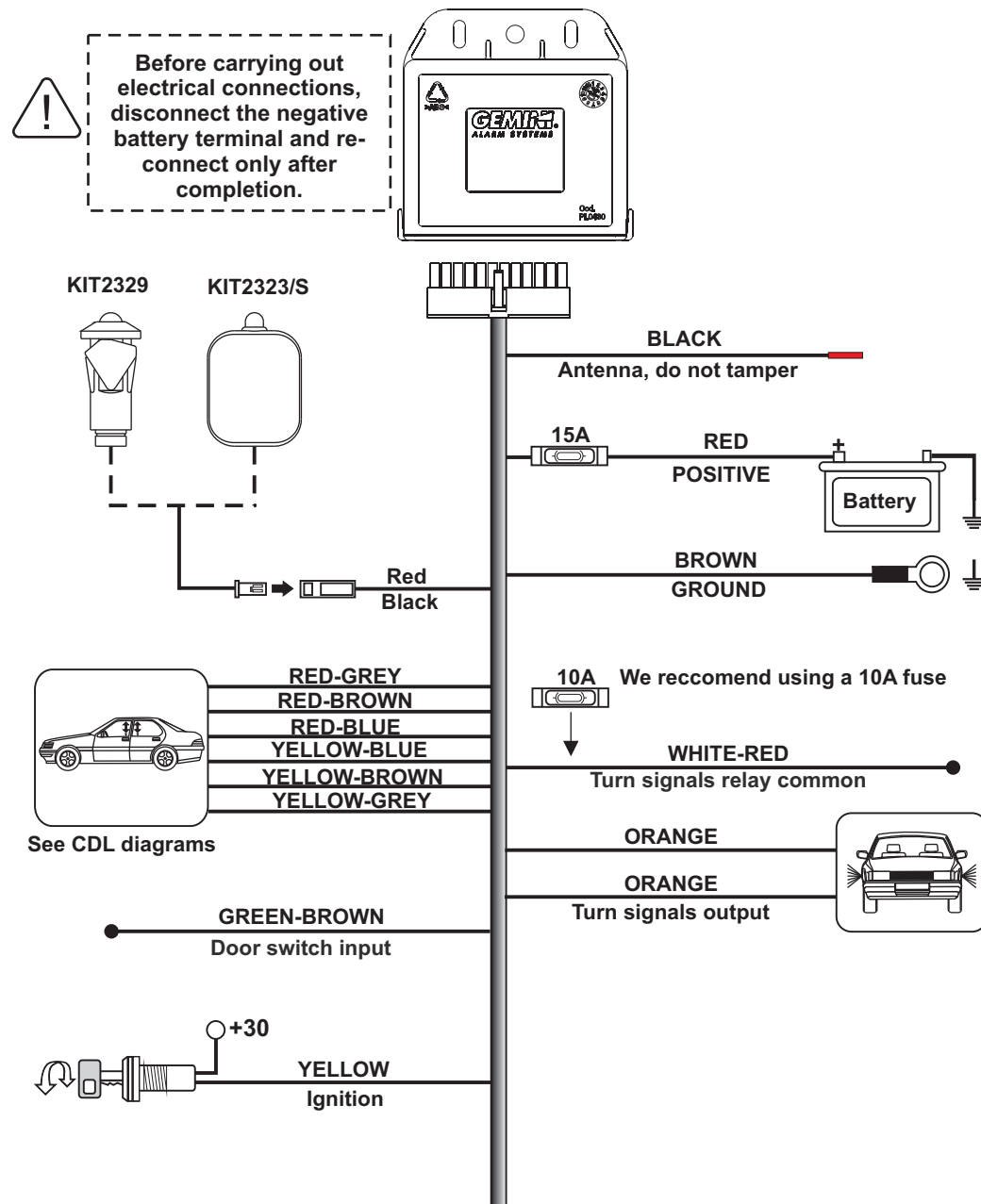| POSITION	WIRE FUNCTION	WIRE COLOUR
- 1 -	-------	-------
- 2 -	Door switch input	GREEN-BROWN
- 3 -	Ignition	YELLOW
- 4 -	-------	-------
- 5 -	-------	-------
- 6 -	Ground	BROWN
- 7 -	-------	-------
- 8 -	-------	-------
- 9 -	LED negative output	BLACK
- 10 -	LED positive output	RED
- 11 -	Positive	RED
- 12 -	Antenna	BLACK
- 13 -	-------	-------
- 14 -	-------	-------
- 15 -	-------	-------
- 16 -	Turn signals positive/negative output	ORANGE
- 17 -	Turn signals positive/negative output	ORANGE
- 18 -	Turn signals positive/negative common	WHITE-RED
- 19 -	Central locking	RED-GREY
- 20 -	Central locking	RED-BROWN
- 21 -	Central locking	RED-BLUE
- 22 -	Central locking	YELLOW-BLUE
- 23 -	Central locking	YELLOW-BROWN
- 24 -	Central locking	YELLOW-GREY

> ⚠️ Ensure the following connections are made because they are MANDATORY for some operations or system configuration:
> • Ignition (YELLOW wire)
> • Door signal (GREEN-BROWN wire)

5.0 - WIRING DIAGRAM

> ⚠️ Before carrying out electrical connections, disconnect the negative battery terminal and re-connect only after completion.

GEMini ALARM SYSTEMS
Cod. PL0490

KIT2329   KIT2323/S

See CDL diagrams

Red
Black

RED-GREY
RED-BROWN
RED-BLUE
YELLOW-BLUE
YELLOW-BROWN
YELLOW-GREY

GREEN-BROWN
Door switch input

+30

YELLOW
Ignition

BLACK
Antenna, do not tamper

15A   RED
POSITIVE
Battery

BROWN
GROUND

10A   We reccomend using a 10A fuse

WHITE-RED
Turn signals relay common

ORANGE

ORANGE
Turn signals output

6.0 - PAIRING NEW DEVICES

⚠ To carry out the operation successfully, make sure the required electrical connections (door switch and ignition) are properly connected.

⚠ Storing memory is for 50 devices. Adding an extra device will automatically delete the first device stored in the system memory.

To enter in programming mode proceed as follows:

With the system disarmed, open the driver door and keep it open.

⚠ The "**ON-OFF**" operations must be carried out within 4 seconds otherwise the procedure is invalidated.

- Cycle ignition key 4 times within 4 sec. ("**ON-OFF**"-"**ON-OFF**"-"**ON-OFF**"-"**ON**") ending the cycle with the key in the "**ON**" position.
- Two flashes of the LED and of the turn indicators will confirm the system is in learn mode.

⚠ Do not close the door otherwise all previously programmed devices will be deleted as described in the next paragraph.

The system is ready to receive the device codes.

- Press the remote control button, the status LED will flash once to confirm the device has been paired.
- Repeat this procedure to program other devices.
- Cycle ignition key OFF and close the vehicle door.
- The end of the procedure is confirmed by 1 long flash of the LED and 1 of the turn indicators.

7.0 - DELETE PROGRAMMED DEVICES

⚠ To carry out the operation successfully, make sure the required electrical connections (door switch and ignition) are properly connected.

Previously programmed devices can be deleted, clear the memory as follows:

- With the system disarmed, open the driver door and leave it open.

⚠ The "**ON-OFF**" operations must be carried out within 4 seconds otherwise the procedure is invalidated.

- Cycle ignition key 4 times within 4 sec. ("**ON-OFF**"-"**ON-OFF**"-"**ON-OFF**"-"**ON**") ending the cycle with the key in the "**ON**" position.
- Two flashes of the LED and of the turn indicators will confirm the system is in delete mode.
- Close the door, the LED will power ON steady.
- Keep the door closed (approx. 8 sec.) to fully clear the memory.

⚠ If the door is opened before 8 seconds, devices will not be deleted.

- The LED will power OFF to confirm the memory has been cleared.
- Turn ignition key OFF.

8.0 - PROGRAMMABLE FUNCTIONS

8.1 - ANTI-DISTRACTION AND AUTO-LOCK

Anti-distraction: prevents the vehicle from being unintentionally left unprotected if, after the system is armed it is accidentally disarmed by pressing the remote control button. The system will automatically rearm after 30 sec. if no other activity is detected (ex. door opening, ignition ON).
Auto-lock: security function that automatically locks all doors approx. 20 sec. after they are all closed and the vehicle starts moving. Doors will automatically unlock when ignition is turned OFF.

8.2 - DOOR LOCK/UNLOCK PULSE DURATION

Select the duration of the lock/unlock output pulses (Default setting: 1 sec.).

8.3 - COMFORT CONTROL

If enabled the comfort feature automatically rolls-up the windows when the doors are locked.

8.4 - DOUBLE PULSE UNLOCK

If enabled, 2 unlocking pulses will be supplied to unlock all doors at the same time. This is useful in case separate actions are required to unlock the driver door and then the remaining doors.

8.5 - DOOR SWITCH POLARITY SELECTION

Select the alarm input signal (positive or negative) according to the signal generated by the door switch.

9.0 - SYSTEM PROGRAMMING

⚠️ Accessing the programming procedure will reset the features to their initial settings. Make sure not to modify the functions that have been programmed at the time of installation.

To modify the factory settings proceed as follows:

- Disarm the system, close all vehicle doors and turn ignition key to the ON position.
- The status LED will light up for 1 sec.; while the LED is ON, press the remote control button.
- Three flashes of the LED and of the turn indicators will confirm the system is in programming mode. The LED will then light up steady.
- The procedure must be carried out entirely by scrolling from one feature to the other using either the remote control or the ignition key to enable or disable the feature. To confirm the operation the LED will power OFF briefly after each press of the remote control button or turn OFF twice if the ignition key is cycled.

	FEATURE	DEFAULT	REMOTE BUTTON	IGNITION KEY
1	Anti-distraction & Auto-lock	OFF	ON	OFF
2	Door lock/unlock time delay	1 sec.	6 sec.	1 sec.
3	Comfort control 25 sec.	OFF	ON	OFF
4	Double pulse unlock	OFF	ON	OFF
5	Door switch polarity selection	Negative polarity	Positive polarity	Negative polarity

- When the last feature is configured, 3 flashes of the LED and of the turn indicators will confirm the end of the programming procedure.
- Turn ignition key OFF.

10.0 - WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT

The present device falls within the field of application of the current WEEE Directive. The crossed-out wheeled bin symbol on the equipment or on its packaging indicates that the product, at the end of its useful life, must be discarded separately from other waste to allow adequate treatment and recycling. The user must therefore take the equipment, at the end of its useful life, to an appropriate waste collection facility.

11.0 - TECHNICAL SPECIFICATIONS

Power supply	12/24 Vdc
Current absorption @ 12Vdc with system armed and LED flashing	15 mA
Operating temperature range	-30°C to +70°C
Turn indicators relay contact capacity	8A @ 20°C

R&TTE DECLARATION OF CONFORMITY

We, Gemini Technologies, hereby declare that the radio equipment is in compliance with Directive 2014/53/EU.

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