



SOLO ALPHA

Intelligent Back-Up Siren

Manual – 18 June 2014



Warning: The siren cannot be used without battery, with faulty battery or with reversed polarity battery because it may damage the devices of security system.



CONNECTORS AND CONFIGURATIONS

The terminal connectors of the siren electronic board are the following:



- FT-** Flashing lamp activating input (activation with negative connection)
- GO+** Positive siren starting (+BELL, +PGM)
- GO-** Negative siren starting (-BELL, -PGM)
- GND** Negative external power
- +14V** +13,8V dc power (min. 2 A)
- TMP IN** Tamper output
- TMP OUT** Tamper output
- +TMP-** Slide terminals for tamper switch

- +BT-** Slide terminals for siren back-up battery
- +SP-** Slide terminals for sounder
- +LMP-** Slide terminals for flashing lamp

TMR/FT jumper

-  Siren stops after 3 minutes signalling (independently from GO input)
-  Siren signalling is active until GO input is in active status

FL/LMP jumper

-  If there is alarm or FT- input is active, the flashing lamp lights continuously
-  If there is alarm or FT- input is active, the flashing lamp is blinking

SIREN CONNECTIONS

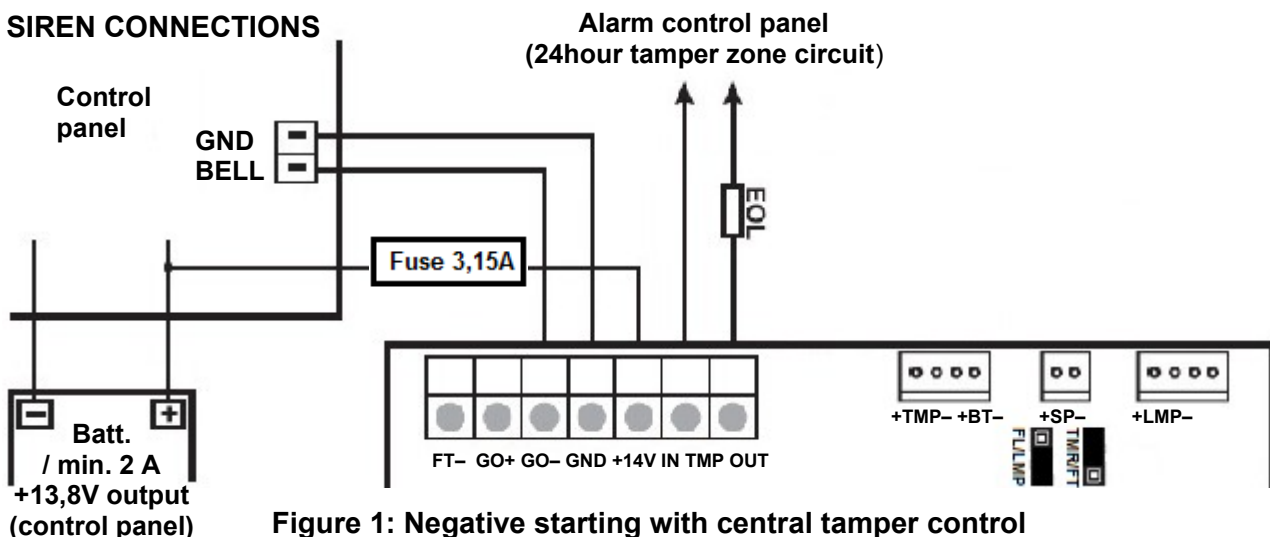


Figure 1: Negative starting with central tamper control

- The siren is active (sound and flash) during the active status of GO input. According to the status of TMR/FT jumper, the siren signal stops after 3 minutes.
- The siren tamper switch is connected to the zone of the alarm control panel. The control panel detects the siren tamper activation and controls the siren according to the configuration.

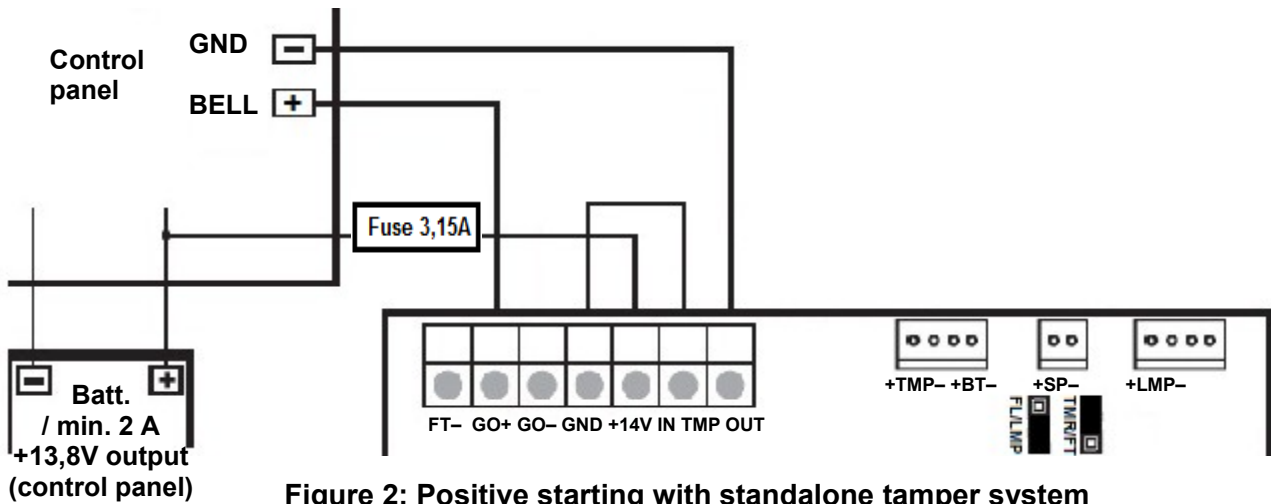


Figure 2: Positive starting with standalone tamper system

- The siren is active (sound and flash) during the active status of GO input. According to the status of TMR/FT jumper, the siren signal stops after 3 minutes.
- Activation of the siren tamper switch cuts off the siren external power supply circuit, which generates siren activation until restoring the power supply circuit / tamper switch. According to the status of TMR/FT jumper, the siren signal stops after 3 minutes.

INSTALLATION

- Choose a flat surface for mounting the siren.
- After the connections first connect the battery (it can be placed if rotated to right). Here you can hear a sharp sound similar to a whistle.
- Then you can connect external power supply (min. 2 A) to +14V / GND connector.

TROUBLESHOOTING

The siren doesn't start to work, or it is clacking continuously:

- At first always connect the battery terminals, only then the 13,8 V external power supply.

Note: Always check battery charging voltage after siren start and maintenance (battery change). It should be about 13 – 13.5 Vdc.

TECHNICAL SPECIFICATIONS

Power supply	13.8 ± 0.3 V DC
Maximum current load	max. 2 A
Standby current load	max. 250 mA (depends on battery charging)
Maximum current load from external power	max. 2 A
Back-up battery (rotate to right)	12 V @ 4.5 Ah
Operating temperature	-20 °C / +50 °C
Sound pressure at 1m	115 dB (A)
Case protection level	IP34
Sizes (width x height x deep)	180 x 270 x 90 mm
Weight (without battery)	2 kg