Piezoelectric Siren for indoor use.
All operation and functions are controlled by microprocessor,
that provides credibility and stability.

There are 3 different versions of the Eris Siren:
- **ERIS:** Audible power 105dB at 1 m.
- **ERIS Plus:** Audible power 85dB or 105dB at 1 m, plus LED Flash.
  Provides different siren sound volume in case of alarm whether the system is
  STAY or AWAY arming and also it can operate as emergency light in case of
  power loss. Includes tamper switch with free contacts, that can be connected to
  alarm control panel zone.
- **Eris Fire:** in red color, with flash and special sound, so it can be used with fire
  alarm control panels. Audible Power 85dB at 1 m.

Operation instructions of ERIS Plus

The siren ERIS Plus, in addition of its function, as a common indoor siren, can operate in three different modes, in combination with three outputs (PGM) of the alarm control panel, programmed accordingly:

1. In "STAY" arming, the intensity of the siren is low (85 db) and the light of siren lights steadily to illuminate the space. This function is controlled by a PGM of alarm panel, which is activated when an alarm occur, when the system is in "STAY" arming mode.

2. In "AWAY" arming, the intensity of the siren is high (105 db) and light flashes. This function is controlled by a PGM of alarm panel, which is activated when an alarm occur, when the system is in "AWAY" arming mode.

3. In case of power failure, the siren operates as night light. (lights steadily only the light of siren).

Technical Characteristics

	Eris	Eris Plus	Eris Fire
Power Suply	12 - 15 V DC	12 - 15 V DC	24-27 V DC
Consumption (standby)	-	6 mA	-
Consumption (max.)	120 mA	240 mA	100 mA
Audible Power (at 1 m)	105dB	85dB or 105dB	85dB
Operation Frequency	1600 to 3300 Hz		600 / 900Hz
Activation	Application of 12V DC	By application of positive voltage at the inputs	Application of 12V DC
TAMPER Switch		NC / 1A - 125 V DC	
Protection Rate	IP 30		
Operation Temperature	-10 °C to +50° C		
Dimensions	141mm (W) X 78mm (H) X 39mm (D)		
Weight	130 gr		
Color	White	White / Blue lens	Red

Terminals Description

TAMPER	TAMPER SWITCH TERMINALS
HI LEVEL	CONTROL INPUT +12V FOR SOUND AND FLASH ACTIVATION AT HIGH LEVEL (105 db)
LOW LEVEL	CONTROL INPUT +12V FOR SOUND AND FLASH ACTIVATION AT LOW LEVEL (85 db)
LED LGT	CONTROL INPUT +12V FOR NIGHT LIGHTNING ACTIVATION
± 12 V	POWER SUPPLY INPUT OF THE SIREN 12V

Installation

- Open the siren covers pressing gently on both sides.
- Remove the siren PCB.
- Choose the right position in which the siren will fit.
- Open the necessary holes and place the siren back cover on the wall using screws.
- Run the connection cable through the hole on the siren back cover.
- Connect all the cables to the terminals according to the following instructions. Then place and press the PCB on the back cover of the siren and finally place the front cover and press untill if closes firmly.
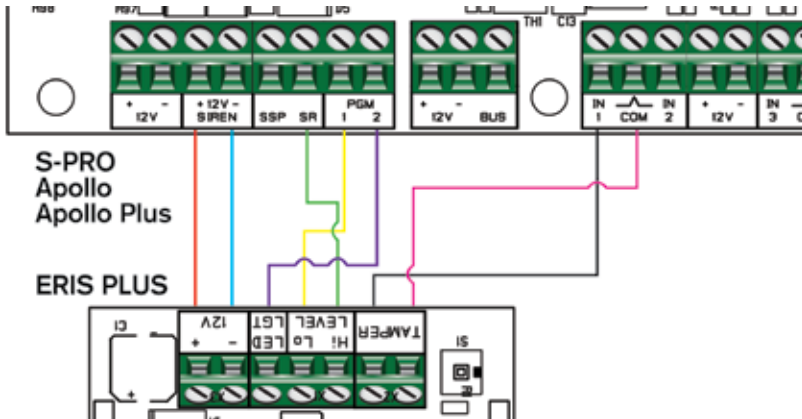
Wiring ERIS Plus

- Connect the Tamper terminals to a 24hours zone of the alarm control panel. Tamper will activate an alarm if the siren's cover is removed.

- Connect the Hi Level terminal of the siren to the alarm or a programmable output (PGM) of the alarm control panel, that provides 12 V in case of alarm, while the panel is in AWAY arming.

- Connect the Low Level terminal of the siren to the alarm or a programmable output (PGM) of the alarm control panel, that provides 12 V in case of alarm, while the panel is in STAY arming.

  ATTENTION!
  When a voltage is applied simmultaneously at Low Level and Hi Level control inputs, only the Low Level function will be activated and the siren will sound at 85dB.

- Connect the LED LGT terminal to an alarm control panel's programmable output (PGM), which will be activated and provide 12 V, when there is AC power loss in the protected area.

- Connect the 12V terminals of the siren to the power supply output of the alarm control panel. Please, make sure you use the correct polarity.

Connecting ERIS PLUS to Sigma Control Panel

- Finally, put the siren's cover and press to close well.

Wiring connections of ERIS & ERIS Fire

- Connect the Tamper terminals to a 24hours zone of the alarm control panel. Tamper will activate an alarm if the siren's cover is removed.

- Connect the 12V terminals of the siren to the control panel output, that provides 12V during the alarm.

- Finally, put the siren's cover and press to close well.

ATTENTION!
You must regularly test the siren operation. We advice you to perform operation tests at least once per month. Thus, you will make sure that the siren will sound in case of alarm.

SIGMA
SECURITY FIRST