

TECHNICAL DESCRIPTION & CABLING SIREN FLASH MODULE

SUMMARY

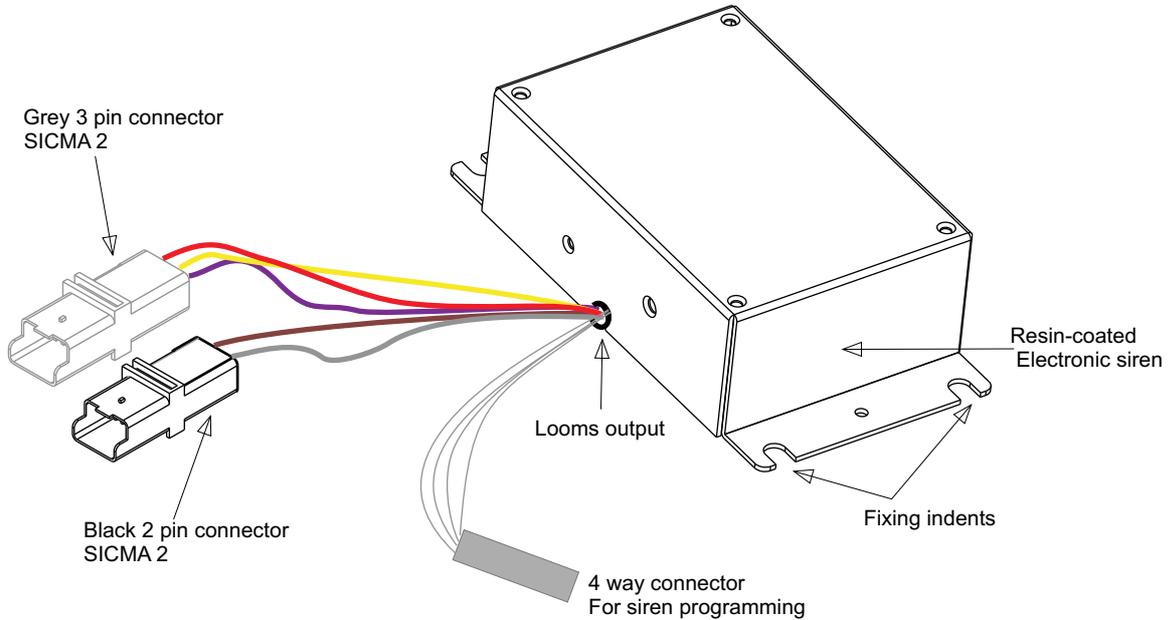
- 1-DESCRIPTION
- 2-DIMENSIONS
- 3-COMPATIBLE LOUD-SPEAKERS
- 4-SIREN / LOUD-SPEAKER CONNECTION
- 5- WIRING
- 6-RECOMMENDED CABLING INSTRUCTIONS

1- DESCRIPTION

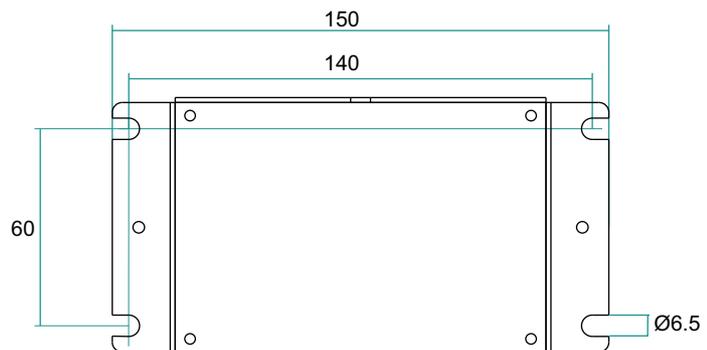
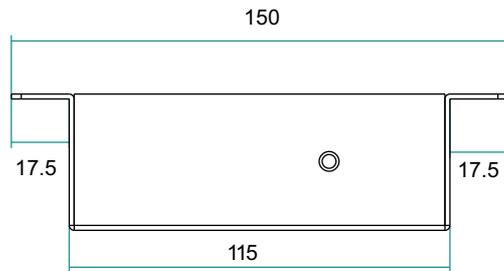
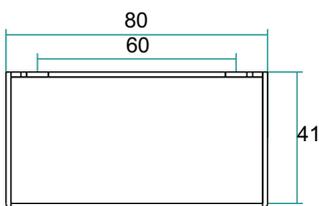
The siren is equipped with two wired waterproof connectors :

- Black 2 pin connector for connection to loud-speaker.
- Grey 3 pin connector for power supply connection (12 - 24 volts), and 1 input to change to Night mode (by connection to the earth/ground) enabling the reduction of the volume level (Not available with certain siren tones).

Note : The siren module is fully resin-coated

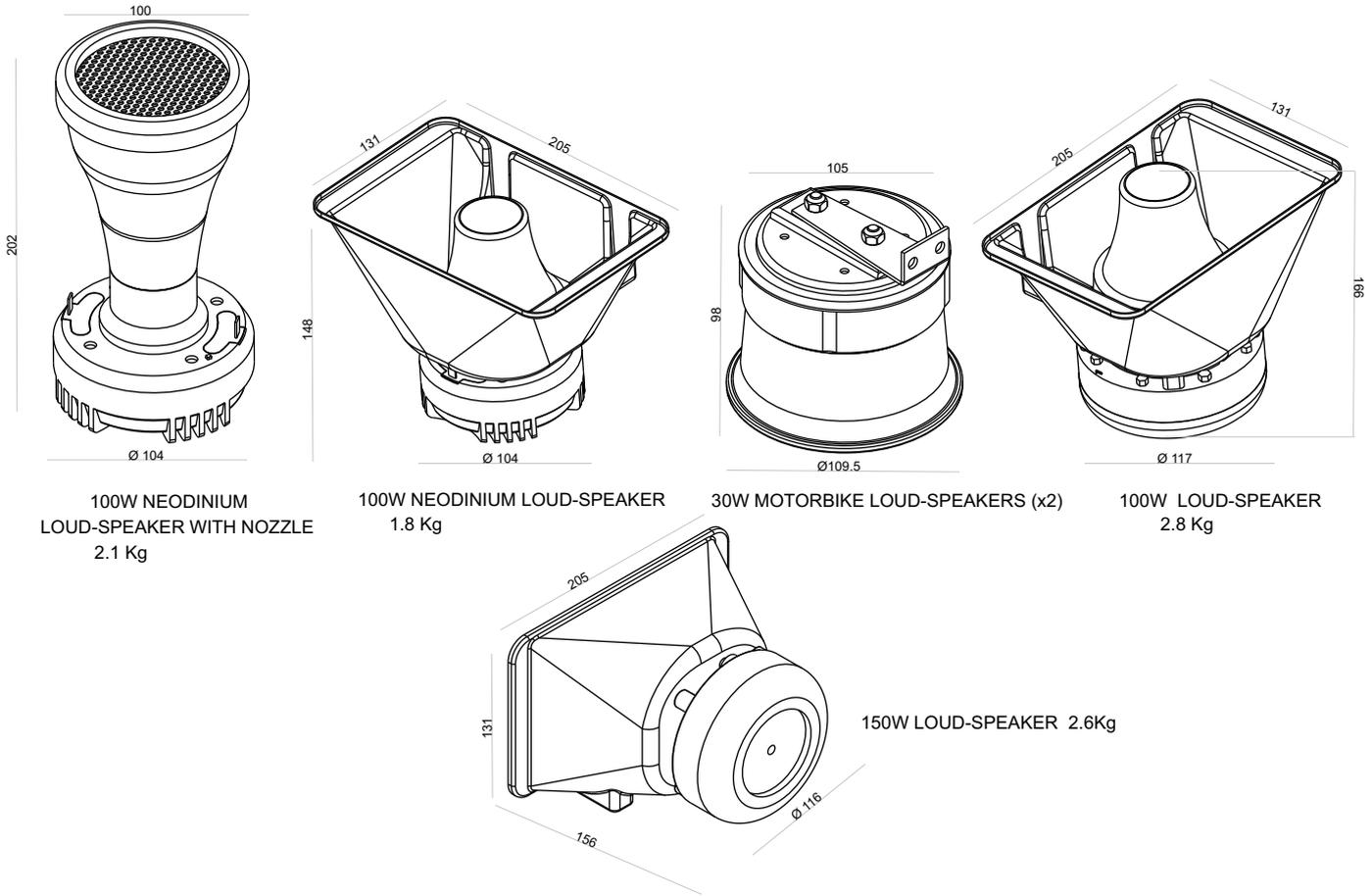


2- SIREN MODULE DIMENSIONS



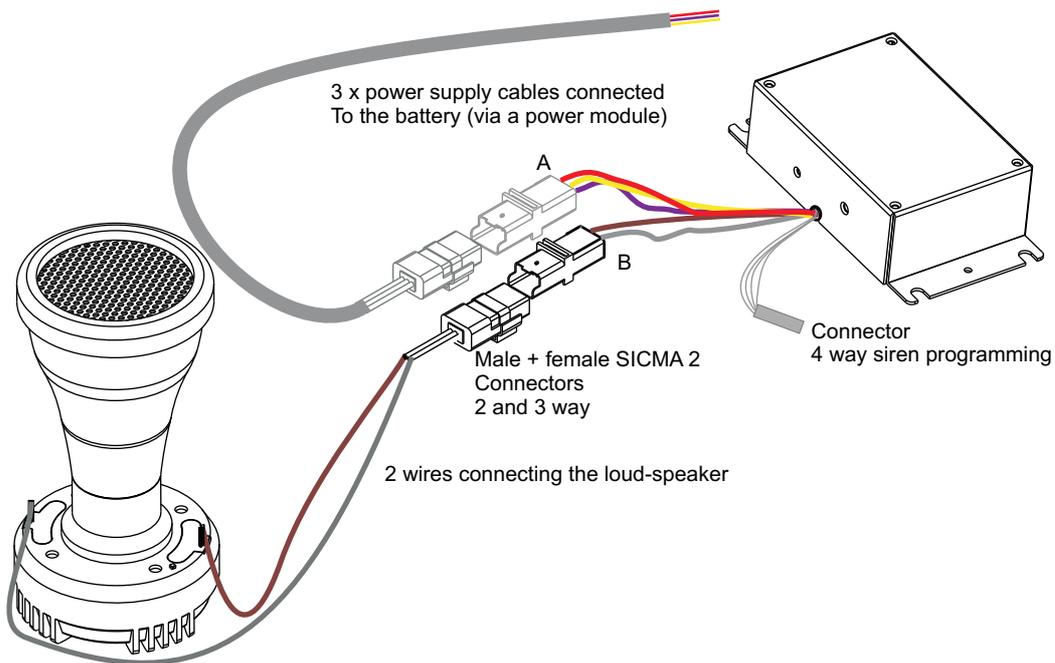
Weight: 675 grammes (with coating)

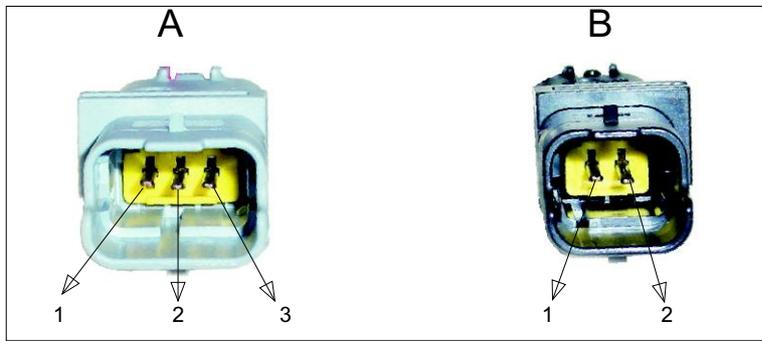
3- CORRESPONDING LOUD-SPEAKERS



NOTE: The siren flash module is designed and approved for functioning with one of the five loud-speakers described Above. The power obtained varies according to the loud-speaker model chosen.

4- SIREN/LOUD-SPEAKER CONNECTION.





A-Grey 3 pin connector
SICMA 2

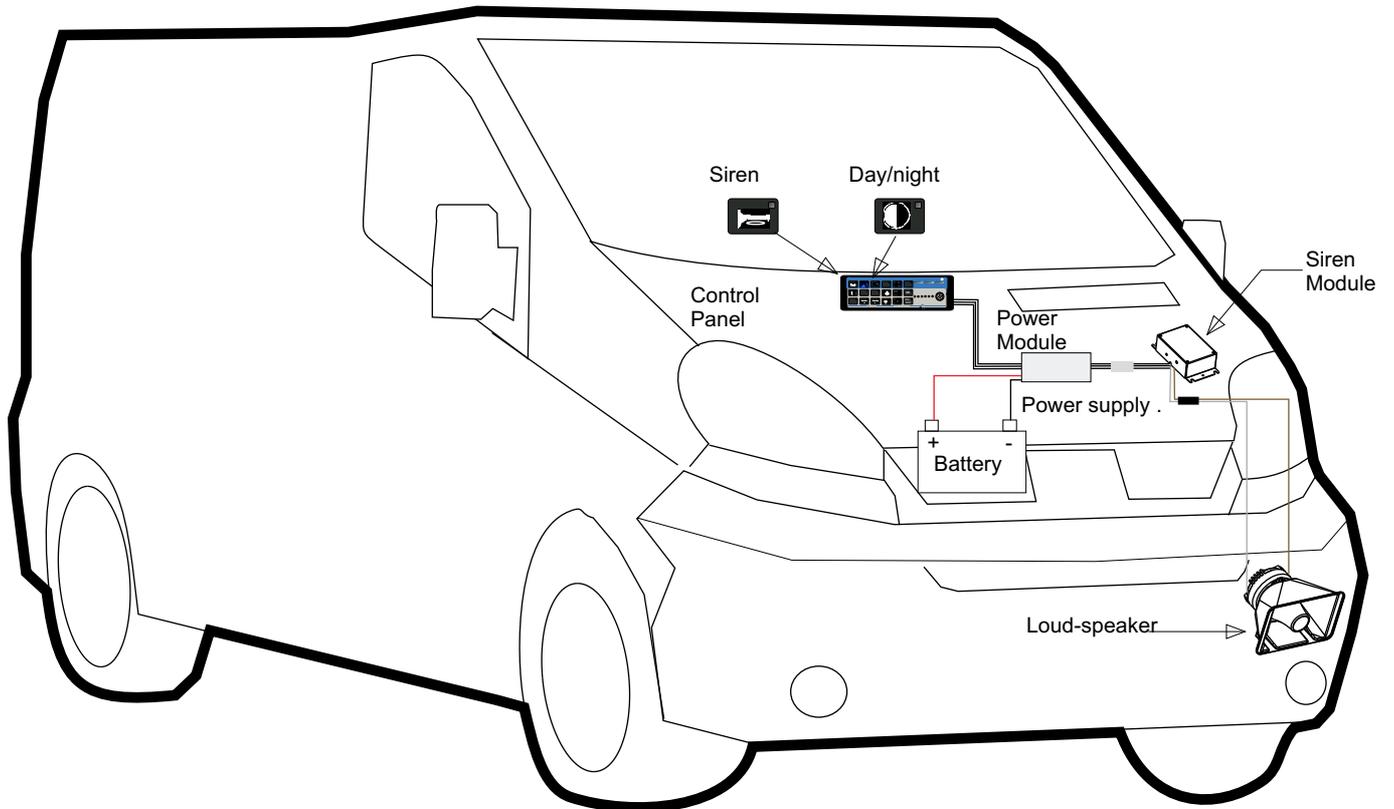
B : Black 2 pin connector for loud-speaker
SICMA 2

- 1 + Battery
- 2 EARTH/GROUND
- 3 Day/night Input

- 1 Pole 1 Loud-speaker -
- 2 Pole 2 Loud-speaker +

The siren is activated once it is connected to the power supply

5-WIRING DIAGRAM



6-INSTALLATION INSTRUCTIONS

ECCES products must be fitted with care due to the ergonomics of their use.

Mercura cannot be held responsible for damage or failure resulting from accessories or equipment inappropriately connected to their power supply.

BATTERY CONNECTION AND PROTECTION

- Adapt the cabling diameter to the power supply.
- Allow for a loop on the cable (tear-drop) before input to a waterproof switch panel or to a connector.
- Remove the fuse before carrying out any work on the system eg: welding etc...
- Reduce the length of the power supply cable harnesses, the MIC looms and data buses as far as possible.
- Avoid use of a cable clip on the battery terminal.
- Connect all ground cables for supply at the same connection point: earth/ground connection point close to the battery. This ground connection point must be directly connected to the battery with a section cable of at least 25mm².
- Connect all the module power supply cables (+ battery) to the fuse provided. The fuse must be connected as close as possible to the battery with the appropriate section cable.

Vehicles with an auxiliary battery:

- Make the coupling connection B1-B2 with a section of 16 or 25mm² depending on the cable length.
- Select the coupling relay B1-B2 according to the maximum consumption of the equipment connected to B2 and B3.

POWER PACKS

WARNING:

- Respect the order of connection and disconnection of the system (battery terminal) as follows:
- **Connection:** All ground connectors and modules must be connected before the power supply (+ battery).
- **Disconnection:** First disconnect all the + batteries then the ground cables.

(NOTE: In most cases removing the fuse first and replacing it at the very end)

- Install the modules in the vehicle as close as possible to the consumption points.
- The modules must be installed in the cabin or in a waterproof box.
- The modules must be positioned so as to avoid mechanical damage or damp.
- Provide easy access to allow the connection and maintenance of connectors and power packs etc...
- The BLM must be placed close to the *neimann* and the J6B3 (of the white MIC) connected to the ground battery cable.

CONTROL PANELS

WARNING:

Care must be taken in placing the control panels according to the standard vehicle equipment (eg: airbags) and according to the car manufacturers specifications.

- Protect the control panel and displays from high temperatures (heaters, direct sunlight etc..)
- Protect the control panel and display from humidity.
- Take care when installing the rear panel: the temperature is very often measured by the probe located inside the rear panel.
- You must respect the screw length advised on the instructions shown on the panel.
- Cleaning: Use a damp cloth and soapy water (Corrosive cleaning products must not be used).