

Klaxon Signals Ltd.

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HALMA
GROUP
COMPANY

INSTALLATION AND SPECIFICATIONS MASTER BLASTER SIREN

OPERATING VOLTAGE (MAIN SIREN):	230 volts AC \pm 10%
TRIGGER RELAY OPERATING VOLTAGE:	12 volts – 33mA 24 volts – 17mA \pm 25%
NOMINAL STARTING CURRENT (SIREN):	5.0 amps
NOMINAL RATING CURRENT (SIREN):	1.2 amps
RUN UP TIME:	0.5 seconds
RATING:	Continuous



GENERAL

The siren will operate at any angle and may be mounted on any flat surface, or conduit box, providing the apertures of the circular stator are not obstructed. If, however, the unit is to be used outdoors, or where water may drip onto it, the siren must be mounted with the stator facing downwards, and should only be sited in sheltered locations and not directly exposed to the effects of adverse weather conditions. The 230 volts supply must be correctly connected. Although the siren motor is run from the 230 volts AC input, the operation of the siren is controlled using the built-in trigger relay. An earth terminal is provided on the bracket for connection to the earth supply. The siren is double insulated and, for EMC reasons, is not earthed.

STANDARD INSTALLATION

Loosen the two retaining screws and slide the bracket out of its retaining slots.

Position the bracket on the surface required, allowing enough space above the final position for the movement of the siren during assembly. A “keyhole” slot is provided to assist in vertical mounting of the bracket.

Select two diagonally opposite fixing holes of the four provided. (The other two are provided for fitting to a horizontal or vertical conduit box). Mark their position, drill as required (including a 20mm hole if the cables are to pass through the wall) and fix the bracket. Connect to the supply earth if required.

Offer the siren into position, passing the cables through the wall or through the triangular aperture between the bracket and the siren – left or right as required – and engage the retaining slots onto the bracket and slide into position.

Tighten the retaining screws and complete the wiring.

The brown and blue cores are connected to a permanent 230 volts AC supply. **BROWN – LIVE, BLUE – NEUTRAL.** This supply should be fed through a 13-amp fuse.

The twin flex is connected to the D.C supply that is to control the operation of the siren i.e. the alarm bell circuit of a security system. The D.C supply should be connected as follows: **WHITE – POSITIVE, WHITE WITH A BLACK STRIPE – NEGATIVE.** The siren is protected against reverse polarity connection and the relay will not operate if wrongly connected.

COMPLETION

The 230 volts AC supply is switched on. The siren should NOT start up. The siren can then be tested by applying the DC voltage to the twin flex, i.e. by triggering the security system.

HEALTH & SAFETY WARNING

The siren emits sound from an open rotor, which could trap fingers and should therefore be mounted out of reach. The sound from this siren will cause discomfort and could damage your hearing over a period of time, if mounted at too low a level and in an enclosed area.

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