



Installation Instructions

Fig. 1

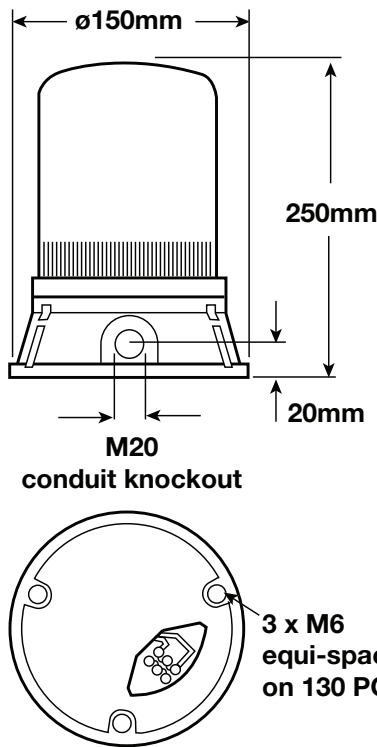
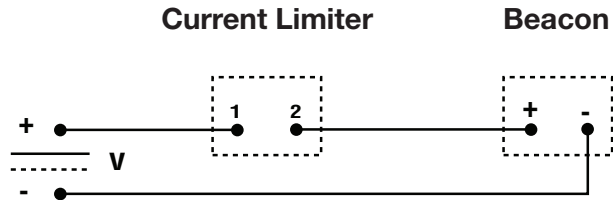


Fig. 2



EN Installation Manual

Installation

The 24 Joule range of xenon beacons has been designed for wider area signalling requirements or for applications with high ambient lighting.

To maintain the IP rating, the beacon should be mounted with the dome above the black moulded base. Never mount the beacon with the dome horizontal or below the base. Always fit the mounting gasket provided and ensure the 'O' ring is fitted between the dome and base. Fit a suitably IP rated cable gland where appropriate.

Connection is made via an appropriately rated cable glad fitted in the M20 conduit knockout on the side of the base or into the recess on the underside of the base housing using the three way terminal block that accepts cables up to 2.5mm². (See Figure 1.)

The beacon is pre-set for use on a 24V DC supply. A 12V DC operation can be selected using the slide switch on the main PCB.

IMPORTANT: The DC supply must be smoothed and rectified

The beacons have a default flash rate of 60 single flashes per minute. An optional flash rate of 45 double flashes per minute can be selected using a jumper link on the auxiliary PCB.

Battery Powered Operation

The 24 Joule beacon is supplied with a Bilateral Current Limiter PCB assembly which must be used if the beacon is connected directly to batteries or used with a battery backed-up power supply. The current limiter prevents energy stored in the beacon from damaging the batteries.

The Current Limiter should be mounted at a convenient point within the power supply unit (or separate conduit box) using the self-adhesive pillars provided and connected as shown in Figure 2.

CAUTION: The Current Limiter runs HOT (100°C) in normal operation. Wiring should be positioned so that it does not come into contact with the device.

There will be a 3 second delay (15 seconds at 12V DC) after the beacon is switched on before it starts to flash.

IMPORTANT: Do not re-start the beacon within five minutes of switch off to ensure that the Current Limiter is fully operational.

Technical Specification:

Voltage	12/24V DC
Current	2.3/1.3A
Energy.....	24J
Flash Rate	60 single or 45 double flashes per min
Operating Temperature	- 25°C to +35°C
Casing.....	High Impact Polycarbonate
IP Rating	IP65

	<p>The European directive "Waste Electrical and Electronic Equipment" (WEEE) aims to minimise the impact of electrical and electronic equipment waste on the environment and human health. To conform with this directive, electrical equipment marked with this symbol must not be disposed of in European public disposal systems. European users of electrical equipment must now return end-of-life equipment for disposal. Further information can be found on the following website: http://www.recyclethis.info/.</p>
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