

## V4 LED BEACON INSTALLATION INSTRUCTIONS

### GENERAL DESCRIPTION:

This LED type visual signalling appliance is intended for General non-emergency use, where requirements for light output, flash rate and duration characteristics of such visual alarms are not applicable.

The Installer should be familiar with these requirements together with any local codes or special requirements of the local Fire Authority having jurisdiction.

The visual alarms are intended for connection to the output alarm circuit of a recognised listed fire alarm control panel only. All alarms are compatible with DC line status monitoring. The visual alarms are suitable for both in-door and out-door use.

The beacons should be mounted away from obstruction so that they are visible from all possible directions. Do not mount the beacons in direct sunlight.

The beacons have red/white flame retardant bases and the following lens cover colours are available:  
Red (R), Opal (O), Amber (A), Clear (C), Blue (B), and Green (G).

The power supply for the LED Beacons is via the on-board terminal block: For DC:  
Terminal ( + ) for +ve and Terminal ( - ) for 0v

12V or 24V dc versions are available with 8 or 12 LED's.

All LED beacons are set to a standard flash rate of 1 per second. Faster flash rate of 2 flashes per second can be achieved by cutting the resistor marked as LK1 on the PCB.

The input current ranges between 20mA to 40mA depending upon the input voltage and the number of LED's used.

**MOUNTING:** All units are supplied separate from the back box. The back box must be mounted with the two cable entries at the top or bottom. 20mm cable entries are provided on all sides and in the base. The back box should be mounted to a suitable surface or to a standard wiring box, using any of the mounting holes. The supplied gasket should be used if the surface is uneven, or if the unit is to be used in wet conditions. To remove the required knockout, the box should be turned on its face, a 6mm screwdriver blade should be placed in the knockout recess and given a sharp tap. The plastic will break away cleanly. Connect the power supply to the appropriate terminals. Earth continuity of cable sheath or conduit may be maintained by fitting earth tags to the entry fittings and linking them together inside the back box. The installation is completed by fitting the beacon onto the back box by means of the supplied screws. The terminals will accept wires of 14-18AWG. Use the duplicated terminals to route the in and out wires through the system loop.

**Information for users of the V4 optical devices:** The optical device/beacon cannot be used as part of a fire alarm system.

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