



CAT W LOOP-POWERED VAD BEACON

APPLICATION

The Loop-powered Beacon is a local-area beacon designed for indoor use. The beacon is available in three colour variants:

- red, part no. 55000-877
- amber, part no. 55000-879
- clear lens/red flash, part no. 55000-878

Note: Please allow 2 — 4 weeks for delivery of amber or clear lens/red flash beacons.

The beacon can be connected to detection systems using XP95 or Discovery detectors and control panels with appropriate software.

The beacon has been developed as a supplement to sounders in situations where there is a risk that sounders will not be heard. This occurs, for example, where there is high background noise e.g. in a workshop or a machine room or in a music room at school.

It might also be because the occupants are deaf or hard of hearing so that a beacon is needed in public buildings or public access areas and in workplaces.

The beacon can also be used to give a 'staff alarm' where the use of sounders is undesirable, eg. in TV or



Part no 55000-877 (red lens)

radio studios, in cinemas and theatres and in hospitals (especially operating theatres and high dependency units) or care homes.

FEATURES

- uses high intensity LED — more reliable than xenon beacons
- Automatic LED check when beacon activated
- Fault signal if LED check failed
- lockable, like a detector
- wide angle of visibility
- synchronised with each other and with



A HALMA COMPANY

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Apollo sounders (flashes once a second)

- Low current consumption

The beacon can be fitted to any XP⁹⁵ or Discovery base.

When fitted to an Ancillary Base Sounder, ⁴⁵⁶⁸¹⁻²⁷⁶, the sounder will be controlled by the beacon.

When fitted to an Integrated Base Sounder the devices can be controlled separately.

ELECTRICAL CONSIDERATIONS

The Beacon is loop powered and requires no external power supply. It operates at 17–28V DC.

LOOP LOADING

Up to 20 beacons may be fitted between standard XP⁹⁵ isolators (part no. ^{55000-700/710/720}) or isolating bases (part no. ^{45681-321/284}).

In order to determine the exact number in a loop please use 'Loop Calculator' available as a free download on Apollo's website: www.apollo-fire.co.uk

ADDRESSING

The Loop-powered Beacon must be assigned an address by coding the XPERT card in the usual way.

PROTOCOL COMPATIBILITY AND STANDARDS

The beacon will operate only with control equipment using the Apollo protocol. The features of the beacon are available only when the beacon is connected to a control panel with the appropriate software.

MECHANICAL CONSTRUCTION

The case of the beacon is made of white polycarbonate with stainless steel contacts. The diffuser is made of red translucent polycarbonate.

DIMENSIONS OF BEACON

Diameter x height 115 x 38mm

Fixing centres

50–60mm

Weight

140g

TECHNICAL DATA

Operating voltage 17–28V DC (polarity insensitive)

Current consumption at 24V

quiescent 150µA

beacon operated 3mA

Switch-on surge 1mA for 100ms

Operating temperature –20°C to +60°C

Humidity (no condensation) 0–95%

IP rating 23D



marked

1Hz

ADDITIONAL EQUIPMENT

A weatherproof enclosure, part no. ²⁹⁶⁰⁰⁻³¹⁸, is available. This allows the beacon to be used outside and in high moisture environments such as swimming pools and food processing areas where wash-down occurs.