LOOP-POWERED 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

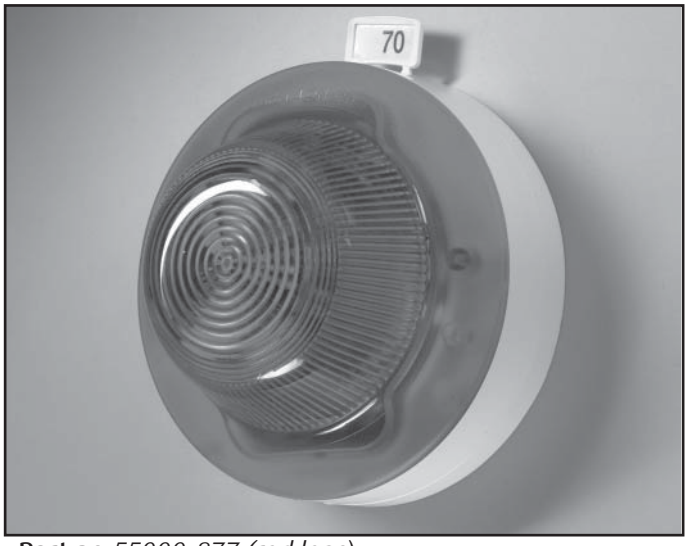
Note: Please allow 2 — 4 weeks for delivery of amber or clear lens/red flash beacons.

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



Part no *55000-877 (red lens)*

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 Apollo sounders (flashes once a second)
- Low current consumption

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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
Flash Rate	1Hz

CE marked

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.