

Optical Beam Smoke Detector

SPB-ET



Features

- ▶ 5 - 100m range
- ▶ Powered directly from the zone
- ▶ Full line continuity options
- ▶ Automatic compensation
- ▶ Test filters
- ▶ Approved by LPCB

Description

Model SPB-ET is a two wire beam smoke detector that consists of an emitter and receiver that cover a distance of 5 - 100m providing a maximum coverage of 1500m². The emitter and receiver are synchronised via a two-wire link, which also supplies power to the emitter.

The detector is powered directly from the zone (no auxiliary power supplies are required) and when the zone is reset the detector is reset automatically. The SPB-ET can also be interfaced to Hochiki's ESP system by using a CHQ-MZ Mini Zone Monitor or a CHQ-Z Dual Zone Monitor.

The SPB-ET comes complete with a termination module which fits directly on to a standard U.K dual back box, this allows the detector be surface or flush mounted. Line continuity options can be selected on the termination module and these are based on the Schottky or Zener diode method.

Specification	
Ordering Code	SPB-ET*
Operating Voltage	15 - 33Vd.c.
Quiescent Current (typ)	240µA
Maximum Current In Alarm	50mA
Operation Range	5 - 100m (between emitter & receiver)
Sensitivity Range	25%, 50% and 70% obscuration (selectable)
Operating Temperature Range	-10°C to +50°C
Storage Temperature Range	-30°C to +70°C
Maximum Humidity	95%RH - Non condensing (at 40°C)
Colour / Case Material	Ivory White / ACS
Weight (g) / Dimensions (mm)	(Receiver) 685 / H140 x W86 x D101 (Emitter) 600 / H140 x W86 x D101
Line Continuity Options (Interface Kit)	Schottky/Zener
Approval	LPCB (BS5839 Part 5)

* Supplied either with an Interface Kit or with brackets.