

Optical Beam Smoke Detector

SPC-ET



Features

- ▶ 5 – 100 m range
- ▶ Automatic compensation
- ▶ Automatic signal strength adjustment
- ▶ Emitter unit can be powered directly from zone (or loop)
- ▶ Features a Latching or Non-Latching Fault Relay
- ▶ Can be interfaced onto ESP system via a CHQ-DZM or CHQ-SZM
- ▶ Full line continuity options
- ▶ Approved by LPCB & VdS

Description

Model SPC-ET is a two wire beam smoke detector that consists of an emitter and receiver that cover a distance of 5 – 100 m providing a maximum coverage of 1500 m².

When used on a conventional system the emitter and receiver can be powered directly from the zone or if required the emitter also has an option to be powered from a separate 24 V dc supply. The SPC-ET can also be interfaced to Hochiki's ESP system, the receiver can be connected to a CHQ-SZM Single Zone Module or a CHQ-DZM Dual Zone Module, and the emitter can then be powered directly from the loop or via a separate 24 V dc supply.

The SPC-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	SPC-ET*
Operating Voltage	15 – 33 V dc
Quiescent Current (typ)	250 µA
Maximum Current In Alarm	50 mA
Operation Range	5 – 100 m (between emitter & receiver)
Sensitivity Range	25%, 50% and 60% obscuration (selectable)
Operating Temperature Range	-10 °C to +50 °C
Storage Temperature Range	-30 °C to +60 °C
Maximum Humidity	95%RH - Non condensing (at 40 °C)
Colour / Case Material	Ivory White / ACS
Weight (g) / Dimensions (mm)	(Receiver) 685 / H145 x W86 x D100
	(Emitter) 600 / H145 x W86 x D100
Line Continuity Options (Interface Kit)	Schottky/Zener
Approval	LPCB (EN54:12)

* Supplied with either an interface kit or brackets