HOCHIKI

SPC-ET

Photoelectric beam detector



Standard Features

- 5 – 100m range
- Automatic compensation
- Automatic signal strength adjustment
- Three field adjustable sensitivity settings
- Simple setup & alignment with signal strength LED's
- Emitter unit can be powered directly from zone or individual power supply
- Features a Latching or Non-Latching Fault Relay
- Color-coded emitter and receiver labels for easy recognition (Green: Receiver, Violet: Emitter)
- Approved by LPCB

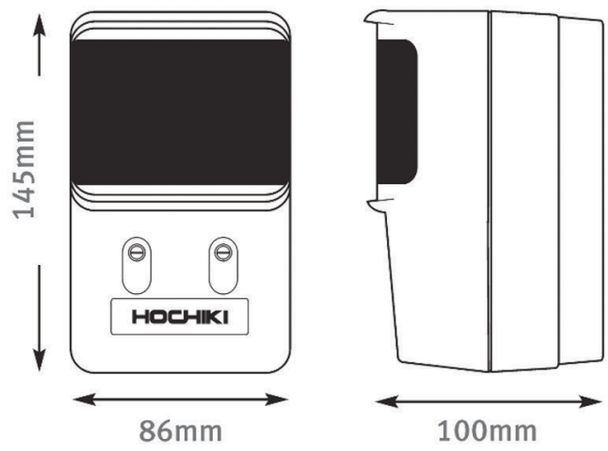
Application

The SPC-ET utilize a near infra-red beam to detect the presence of smoke which is pulsed to reduce the overall current consumption and improve the noise rejection characteristics.

The photo-electric beam detector consists of an emitter and a receiver which face each other at a distance of between 5 and 100 meters. 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 24Vdc.

After installing the detector or during periodic maintenance it is important to ascertain that the detector has the correct fire sensitivity. This can be achieved by the use of filters. Hochiki produce two types of filters for this purpose, the first being the TSK-B100, the second being the TBF-E.

Dimension (mm)



Specification

Type	Photoelectric Beam Detector
Model	SPC-ET
Operating Voltage	15Vdc – 33Vdc

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04/2020

Specifications subject to change without notice

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Specification	
Quiescent Current (typ)	250µA
Maximum Current In Alarm	50mA
Operation Range	5 – 100m Between Emitter & Receiver
Sensitivity Range	25%, 50% and 60% Obscuration (selectable)
Operating Temperature Range	-10 °C to 50 °C
Humidity Range	95%RH – Non condensing (at 40 °C)
Color/Case Material	White Ivory / ACS
Weight	(Receiver) 685g (Emitter) 600g
Line Continuity Options (Int. Kit)	Schottky/Zener
Approval	LPCB (EN54:12)
Country of Origin	Japan

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