

S-C1050 / S-C1100

Alpha 1000 Reflective Beam Detector

Description

The system comprises of a single unit incorporating an infrared transmitter and receiver. The signal generated in the transmitter element and reflected by the prism back to the receiver element is analyzed for the presence of smoke. The internal microprocessor determines an alarm condition when a predetermined level is reached.

The system is designed to be mounted so the beam will project between 0.5 m and 0.6 m below and parallel to the ceiling. Lateral detection may be up to 9.144m on either side of the beam, providing a maximum total coverage area of up to 19,800 square feet (18.29 m x 100 m).

Standard Features

- Easy set up and alignment.
- Single compact housing.
- Calibrated obscuration test filter included.
- Microprocessor controlled.
- Alarm latching or auto reset.
- Automatic gain control.
- 12 V DC or 24 V DC operation.
- Separate alarm and trouble contacts.
- Remote Test Station available.



Technical Data

Primary Input Power	10.2 to 30 V DC
Standby Current	4 mA @ 24 V DC
Alarm Current	15 mA @ 24 V DC
Relay Contacts	1A at 30 V DC Resistive
Reset Time	5 Seconds Maximum
Start Up Time	10 Seconds
Optical Wavelength	880 nm
Relative Humidity	10% to 93% RH Non-condensing
Housing	Flame Retardant ABS
IP Rating	IP50
Finish	Grey/Black
Range	S-C1050 (5 m to 50 m) S-C1100 (50 m to 100 m)
Temperature Rating	-20°C to +55°C 0°C to +38°C
Sensitivity	25%, 35%, 50%
Dimensions (L x W x D)	210 mm x 126 mm x 120 mm
Weight	0.67 Kg

*(UL approved continuous operating range)

Ordering Information

S-C1050	Reflective Beam Smoke Detector 50 m
S-C1100	Reflective Beam Smoke Detector 100 m
S-C1002	Surface Mount Back Box
S-C1003	Surface Mount Wall Bracket

Note: Specifications are subject to change without notice