

**S-C1050 / S-C1100**

SIGNALING  
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**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**

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

\*(UL approved continuous operating range)

**Ordering Information**

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

Note: Specifications are subject to change without notice

