



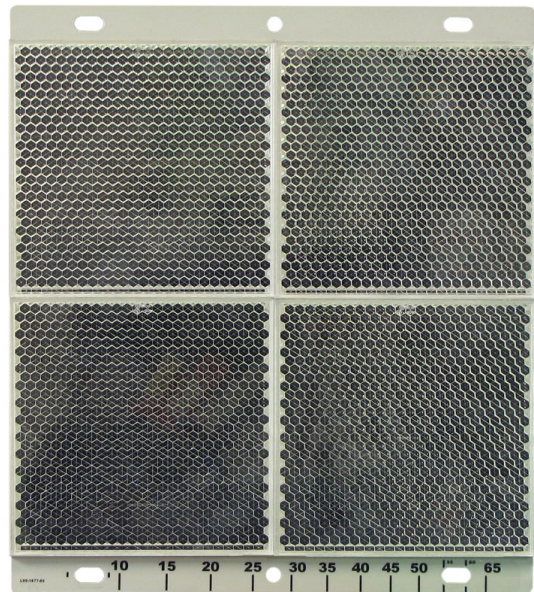
Conventional Beam Smoke Detector

Product Overview:

The BEAM1224 is a four wire conventional reflected linear beam smoke detector.

It is uniquely suited for protecting open-areas with high ceilings where other methods of smoke detection are difficult to install and maintain. Installation of the single-ended reflective design is much easier than dual-ended beam detectors. Alignment is quickly accomplished using an optical sight and a 2-digit signal strength meter incorporated into the product.

Listed for operation between -30 °C and 55 °C, the BEAM1224 provides early warning in environments where temperature extremes exceed the capability of other types of smoke detection. Heater kits are available for use in very low temperatures.



Conventional Beam Smoke Detector (BEAM1224)

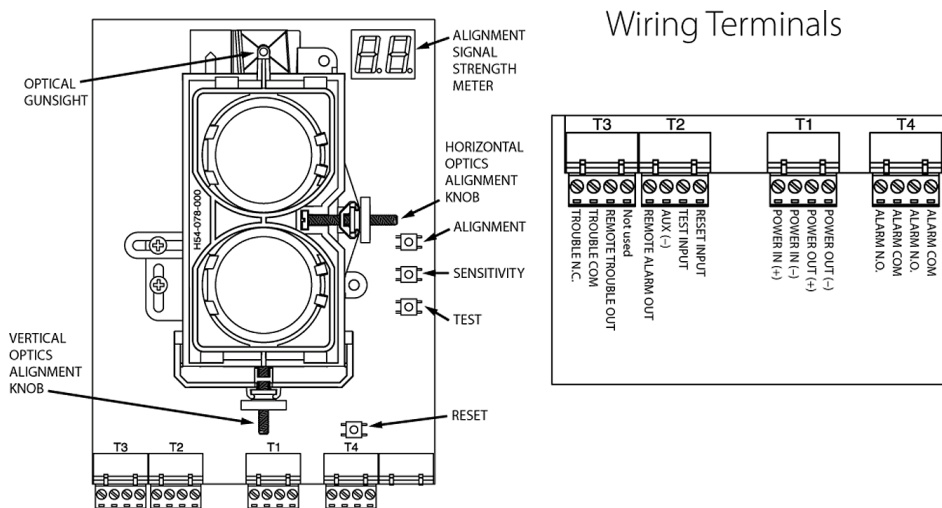
Features:

- » 5 to 100 m protection range
- » Single ended, reflected optical beam design
- » Digital display for easy alignment
- » Built-in automatic drift compensation for signal deterioration from dust build up
- » Calibrated reflector for sensitivity testing
- » BEAM1224 is suitable for 12 Vdc or 24 Vdc operation
- » 6 user selectable sensitivity levels
- » Remote test station optional (fire and fault indication, test and isolate key-switch)
- » Optional heater kits for transmitter/receiver and reflector

Specifications:

» Operating Voltage	10.2 Vdc to 32 Vdc	
» Standby Current	17 mA Max @ 24 Vdc	
» Current During Testing (BEAM1224S)	500 mA Max @ 24 Vdc	
» Alarm Current	38.5 mA Max @ 24 Vdc	
» Fault Current	8.5 mA Max @ 24 Vdc	
» Alignment Mode Current	28 mA Max @ 24 Vdc	
» Temperature	-30 °C to 55 °C	
» Humidity	10 % – 93 % RH, non-condensing	
» Transmitter Dimensions (including Faceplate)	254 x 190 x 84	H x W x D mm
» Transmitter Dimensions (including BEAMSMK)	254 x 190 x 135	H x W x D mm
» Reflector Dimensions (5m to 70m)	230 x 200	H x W mm
» Reflector Dimensions (70m to 100m)	460 x 400 (4 x 5 m - 70 m reflectors)	H x W mm
» Protection Range	5 m to 100 m	
» Manual Adjustment Angle	+/- 10° horizontal & vertical	
» Sensitivity to Building Movement	+/- 0.5° (Detector); +/- 10° (Reflector)	

Wiring and Setup Diagram:



Listings and Approvals:

ActivFire: AFP – 2081

Ordering Information:

Product Code	Description
BEAM1224	Conventional Beam Smoke Detector c/w 70 Metre Reflector
BEAMLRK	Long Range Reflector Kit, 70-100 Metre Range
BEAMMMK	Beam Detector Mounting Kit (Also Requires BEAMSMK Surface Mount Box)
BEAMSMK	Beam Detector Surface Mount Box
RTS151KEY	Remote Test Station with Key
BEAMLKR	Heater Kit - RF
BEAMHK	Heater Kit - TX

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