FEATURES
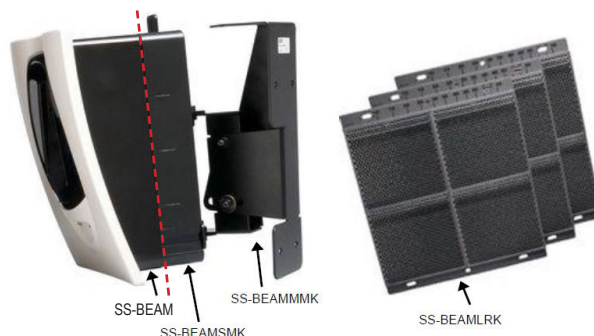
✓ Reflective beam principle
✓ Wiring only required to TX
✓ Neat polycarbonate housing design
✓ Easy to align
✓ 5m to 70m range (increased to 100m with LRK)
✓ Surface mount kits available
✓ Swivel mount brackets available
✓ Long range kits available

*Mounting kits and long range kit sold separately

PRODUCT DESCRIPTION

System Sensor Model BEAM 1224 is a 4-wire conventional projected 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.

Alignment is quickly accomplished via an optical sight and a 2-digit signal strength meter incorporated into the product.

The SS-BEAM1224 consists of a transmitter/receiver unit and a reflector. When smoke enters the area between the unit and the reflector it causes a reduction in the signal and, when the smoke level reaches the predetermined threshold, an alarm is activated.

The SS-BEAM1224 has four standard sensitivity selections along with two Acclimate settings. When either of the two Acclimate settings are selected the detector will automatically adjust its sensitivity using advanced software algorithms to select the optimum sensitivity for the specific environment.

Surface mount kit and multi mounting kit must be purchased separately.

TECHNICAL SPECIFICATIONS

Operating Voltage Range	10.2 to 32Vdc
Ave. Standby Current	17mA max.
Ave. Current During Testing	500mA max.
Ave. Alarm Current	38.5mA max.
Ave. Fault Current	8.5mA max.
Operating Temp Range	-30ºC to 55ºC
Operating Humidity Range	10% - 93% Relative humidity non-condensing
Detector Dimensions	254mm H x 191mm W x 84mm D
Reflector Dimensions	5-70m: 200mm x 230mm (one reflector) Over 70m: 400mm x 460mm (4 reflectors in a square)

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AVAILABLE OPTIONS

SS-BEAM1224	System Sensor conventional beam detector and reflector
SS-BEAM1224S	System Sensor conventional beam detector, reflector and built in test
SS-BEAMLRK	Long range kit to increase range to 100m. 3 additional reflectors to be used in conjunction with original reflector.
SS-BEAMMMK	Multi-Mounting kit. Requires surface mount kit to be fitted first. Cannot be used with LRK.
SS-BEAMSMK	Surface mount kit
SS-BEAM-TKEY	System Sensor RTS451 test key for beam detector

APPROVALS

✓ ActivFire certified - Listing No. afp-2084