

BEAM SMOKE DETECTOR 6424

FEATURES:

- 10 to 100m protection range
- Unobtrusive in use
- Easy alignment
- Wide operating temperature
- Receiver and transmitter may be powered separately or together
- Simple installation
- Automatic compensation
- Particularly appropriate for protecting buildings with large or high ceilings

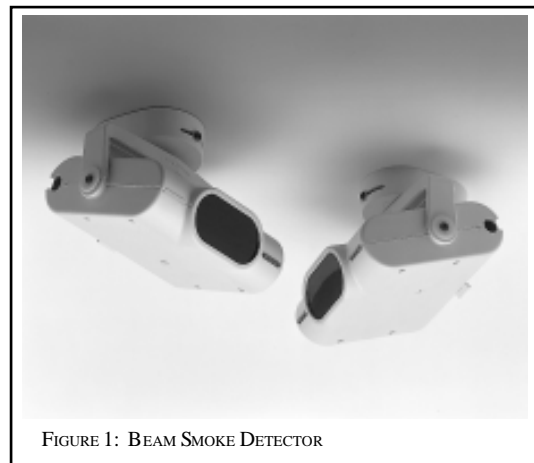


FIGURE 1: BEAM SMOKE DETECTOR

DESCRIPTION:

The model 6424 is a long range projected beam smoke detector designed to provide open area protection. Infrared beam detectors are particularly appropriate for protecting buildings with large or high ceilings such as warehouses, atriums, etc.

The 6424 consists of a transmitter and receiver with separate alarm and trouble signals which distinguish between a percentage or signal blockage and a total beam block. Three LEDs at the receiver indicate the status of the detector. The alarm signal latches and can be reset by a momentary power interruption, by using the remote reset input to the receiver if using the remote test/reset station model RTS451, or with the local reset button located behind the rear door in the receiver. In addition to these indicators there are four LEDs on both the receiver and the transmitter which are used as a beam alignment aid. No additional equipment is needed for alignment of the beam.

SPECIFICATIONS:

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|--|---|
| Range: | 10 to 100m |
| Operating Voltage Range - Receiver: | 20 to 32VDC |
| Operating Voltage Range - Transmitter: | 18.8 to 32VDC |
| Current (Receiver): | |
| Standby: | 10mA max. |
| Alarm: | 28.4mA max. |
| Trouble: | 27.1mA max. |
| Startup Surge: | 19mA max. |
| Current (Transmitter): | 10mA max. |
| Relay Contacts: | 0.5A at 30VAC/DC |
| Reset Time: | 0.6 seconds max. |
| Startup Time (after 5 min. reset) | 1 minute max. |
| Response Time: | |
| Alarm/Trouble: | 15 seconds (max) |
| Operating Humidity Range: | 0% to 95% Relative Humidity, non-condensing |
| Operating Temperature Range: | +55°C |
| Weight: | |
| Receiver: | 663g |
| Transmitter: | 598g |

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