



ED-TR6100

100m infrared linear smoke detector (BEAM)

Description

The ED-TR6100 Infrared Beam Smoke Detector System consists of a Transmitter/Receiver unit and a reflector that is mounted on the opposite wall. The infrared light beam sent from the transmitter is returned by the reflector to the receiver and the light attenuation is evaluated. Automatic compensation in case of low signal due to dust accumulation, displacement and/or transmitter wear. The distance between the detector and the reflector can be between 8 to 100 meters. The transmitter and the light receiver are in the same body. Perfect alignment by built-in laser pointer.

Internal microprocessor and fault diagnosis. Depending on the distance to be covered, several reflectors are grouped into one unit: 20m, 40m, 70m and 100m. It has alarm and fault relays allowing direct connection to a conventional and addressable fire alarm control panel.

Applications

The detector can be installed in any installation to cover large and difficult areas to access such as: large warehouses and production halls, covered interior patios (atriums), reception rooms, attics in churches, cinemas, theatres and many more applications.

Features

- Surveillance area according to EN23007-14 up to 1500 m².
- Max length 100m: for distances between 8 to 40 meters one reflector needed, for longer distances expandable up to four reflectors.

Technical Features

DETECTOR	Indicator LED: voltage: Consumption in rest: Alarm Control: Relay Contact Load:	Red: Fire / Yellow: Fault / Green: Power Supply Working From 12 to 30 VDC 23 mA (from 20 to 28 VDC) By relays 30 V DC / 0,5 A
CONNECTION	Power Supply + alarm and fault control	
ENVIRONMENT	Working temperature: Relative humidity: IP Index:	From -10°C to 55°C 95% without condensation. IP30
PHYSICAL FEATURES	Dimensions: Material:	191 × 127 × 92 mm ABS Three-level adjustable sensitivity.
CERTIFICATION	Compliant with EN 54-12, certified by LPCB	

