TR6100
OPTICAL BEAM DETECTOR

TR6100 is a Beam detector used for fire detection particularly in large zones with high ceilings which are not suitable for standard detector mounting.

Internal Laser Pointer enables easy alignment of reflectors. It is very easy to install.

It can be used with all fire detection panels.

GENERAL SPECIFICATIONS

- EN54-12 conformance is certified by LPCB
- Flawless alignment by digital guiding screen and laser beam marking
- Internal microprocessor
- Internal failure diagnosis
- Automatic compensation in case of weakened signals due to dust accumulation, displacement and worn transmitter
- Fire and Error Relay Outputs
- True user-friendly alignment method
- Includes Reflector Mirror
- 3 different versions with 20-40, 40-70, 70-100 meters

TR6100 Technical Specifications

General

Standard	LPCB Pending, EN54-12, BS 5839 Part 1:2002
Operation Type	Beam Detector
Smoke detection sensitivity	Yes
Detection Distance	20 - 40 meters range 40-70 meters range 70-100 meters range
Detection angle	±0.5° direction
Digital Screen Guide	Nixie Bottle
Alignment	Laser Beam Marker

Environment

Operating Temperature	-10°C ~ +50°C
Humidity	0 - 95%
Protection Class	IP30

Electrical

Operating Voltage	20 V ~ 28 V DC
Average (quiescence) Current Consumption	23mA
Alarm current	33mA
Reset Time	Less than 2 sec.
Contact output	NC - NO 2.0A; 30VDC

Mechanics

Weight (with battery)	0.130 Kg (including base)
Dimensions (mm)	190.87 x 126.87 x 91.96
Body Material and Color	ABS - White
Alarm Indicator LED	Red: Fire Yellow: Error Green: Alignment