

# BEAM DETECTOR

## AE/BTR6100

### Description

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.



### Characteristics

- 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

### TECHNICAL CHARACTERISTICS

Approvals	LPCB/CE-CPR
Operating voltage	20 V to 28 V DC
Current parameters	Standby: 23 mA Commission: 56 mA Alarm: 33 mA
Beam Sensor Sensitivity	Level 1: 2.6 dB High Sensitivity Level 2: 3.8 dB medium sensitivity Level 3: 5.8 dB low sensitivity
Beam path length	Section 1: 8 to 20 meters Short path (1x mirror reflector required) Section 2: 20 to 40 meters Short path (1x mirror reflector required) Section 3: 40 to 70 meters Normal path (4x mirror reflector required) Section 4: 70 to 100 meters long (4x mirror reflector required)
Beam path angle	±0,4 directional
Alignment Guide	Laser Beam Pointer
Digital Display Guide	Nixie Tube
LED Indicator Guide	Red: Fire; Yellow: Failure; Green: Alignment
Reset time	Less than 2 seconds (power failure)
Relay capacity [Fire/Fault]	Normally open/ 2.0 A; 30VDC
Material/Color	ABS/White
Dimension	L:190.87 x W:126.87 x H:91.96 mm
Weight	440 g
Accessories	Mounting Bracket, 4 x Mirror Reflector
Operating temperature	-10°C to 55°C
Protection rating	IP30 [Glue seal IP66-For permanent fixing] Indoor application
Humidity	0 to 95% relative humidity, non-condensing