

MOTORIZED LIGHT BARRIER

AE/BO5000-50A

Description

Infrared Reflecting Smoke Detection Barrier with Automatic Alignment:

- Reach 5m to 50m or 5 to 100m with the AE / BO5000-K expansion kit
- Maximum coverage 1500m².
- Modular design.
- Easy fixing: Base and preassembly box. Easifit system
- Control unit at ground level.
- Assisted alignment by integrated LASER pointer
- Automatic Dirt Compensation.
- Self-alignment of the Barrier.
- Compensation of displacements in the structure of the building.
- Two-wire connection from the Detector to the Control Unit.
- Efficiency in installation and commissioning costs.



TECHNICAL CHARACTERISTICS

Rated voltage (system controller)	14 - 28 Vdc
Rated current-low intensity mode	8 -12 mA
Rated current-high intensity mode	48- 52 mA
Response / sensitivity threshold (35% default)	0.45 - 3.98 dB
	10 - 60%
Alarm Delay – user adjustable	(10 seconds by default) 2 - 30 s
Failure Delay - User Adjustable	(10 seconds by default) 2 - 30 s
Operating distance (separation)	8 - 100 m
Maximum angular misalignment of the detector with respect to the optical axis:	± 0.3 degrees
Maximum angular misalignment of the reflector relative to the optical axis:	± 5 degrees
Maximum angular alignment:	± 3.5 degrees
Optical wavelength:	850 nm
Failure level / fast dimming (<2s):	87%
Operating temperature	-10 - +55 °C
Storage temperature	-40 - +85 °C
Relative humidity (without condensation):	93%
Rating	IP 54
Contact voltage - Fire and fault relays (DPCO)	0.1 - 36 VdDC
Contact intensity - Fire and fault relays (DPCO)	0.1 - 100 mA
Cable length between system controller and detector	
(Shielded two-wire shielded cable):	100 m
Cable gauge:	24 - 14 AWG
UL94V0 housing flammability rating	
Reference CPD 0832-CPD-0565	
UL Registration S3417	