EDS®
ELECTRONIC DETECTION SYSTEMS

SmartBeam

Reflection Optical Beam Smoke Detector with Automatic Alignment

100% MADE IN ITALY

CE

EN54-12 CERTIFIED

Technical features

- A step forward in the optical-electronic technology of fire detection
- Setup, control and monitoring with a special EDS proprietary app that can be installed on a smartphone or tablet
- Low power consumption: this allows the detector to be powered directly from the loop of the alarm control panel
- Optical range: 5m minimum, 120m maximum
- Optical equipment: adjustable and equipped with a motorized mechanism
- Optical alignment: automatic or manual with laser pointer
- Signal: automatically regulated by periodic electrical and mechanical adjustment with the internal motorized system to avoid effect of dirt or optical misalignment caused by deformation of the walls
- Insensitivity to ambient light variations
- Optical lenses: precision pure optical crystal with high efficiency
- Protection index: IP65 or IP55 depending on selected type of installation
- Easy and cheap maintenance

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Technical data

Supply	11-30Vdc
Current	6mA normal - 30mA during motorized alignment
Protection	against polarity inversion
Signal level	automatically compensated
Ambient light	automatically compensated
Optical alignment	with laser pointer and motorized self-alignment
Configuration	via Bluetooth with Smartphone or Tablet
Optical range with FX-10 reflector	1 - FX-10 range 5 - 60m / 4 - FX-10 range 60 - 120m
Coverage area	1600 sqm. max.
Clock	internal
Events memory	internal 64Kb (optional)
Detector angular misalignment	+/- 0.5 °
Reflector angular misalignment	+/- 1 °
Alarm level	selectable between 20% and 60%
Alarm delay	5 - 30 sec
Fault Delay	5 - 60 sec
Detector reset time with memory not activated	5 sec
Temperature	-10 + 55 ° C
Humidity	0 - 90% non-condensing
Red LED light operation	alarm state
Blue LED light operation	compensation limit, interrupted beam, fault, bluetooth connection
Alarm relay	2A / 250Vac
Fault relay	2A / 250Vac

Enclosure

Enclosure	plastic material
Protection index	IP65 and IP55 depending on the installation method
Dimensions	132x120 mm
Weight	360 gr

Certification

Standard	EN54-12
Certification	1922-CPR-1990

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