am XTRA

Analogue Addressable Beam Smoke Detector

Features

- 7 – 70 m standard detection range
- Extensions kits available to enhance detection range up to 160 m
- Approved by VdS to EN 54-12:2015
- Continually corrects itself against building movement
- Brand new optics design reduces false alarms
- Fully compatible with the Hochiki ESP analogue addressable protocol.



Description

The ESP FIREBEAM xtra is a Reflective Beam Smoke Detector fully approved to EN 54-12:2015 which can offer a maximum detection range of 160 m. The unit's newly designed optics increase sensitivity whilst the enhanced internal software reduces false alarms.

The detector comes with a separate controller unit which allows engineers to commission, monitor and maintain from ground level. Detection range is 70 m for the standard unit, increasing to 140 m or 160 m with the addition of the medium or long-range reflector kits.

The detector also features advanced motorised technology allowing it to selfalign to the centre of the reflector during commissioning. Once commissioned the detector continually monitors alignment and will automatically realign itself back to the centre of the reflector if any building movement occurs.

The FIREBEAM xtra features an integral loop module allowing full connectivity to the Hochiki ESP analogue addressable loop.

Specification		
Ordering Codes	ESP FIREbeam Xtra - ESP Firebeam Xtra including controller and 1 reflector covers distance 7-70 m 70KIT140 - Firebeam Xtra Range extension kit 70-140 m 140KIT160 - Firebeam Xtra Range extension kit 140-160 m	
Supply Voltage	17 to 41 VDC	
Supply Current	3.5 mA (constant current) in all operational states	
Constant Current	17 mA (constant current) in fast commissioning	
Operating Temperature Range	- 10 °C to + 55 °C	
Operating Humidity	10 to 95% RH Non-condensing	
Ingress Protection Rating	IP65 (when suitably mounted and terminated)	
Optical Wavelength	870 nm	
Maximum Angular Alignment	±5°	
Maximum Angular Misalignment	Beam Head ±0.4 ° Reflector ±2 ° (static not auto-aligning)	
Alarm Sensitivity Levels	25% (1.25 dB) to 50% (3 dB) in 1% (0.05 dB) increments (default 35% (1.87 dB))	
Weight (g) / Dimensions (mm)	Beam Head Controller	1.1 / H 180 x W 155 x D 137 0.55 / H 185 x W 120 x D 62
FIREbeam Xtra Ancillaries	ADAPTER REP-CONT REFLECTOR FOGKIT REF-AF WINDOW-AF FIREBEAM XTRA-AF 70KIT140-AF 140KIT160-AF FB-BRACKET SHORTRM	Firebeam Xtra Head interface adapter to mount to unistrut Firebeam Xtra Replacement controller Firebeam Xtra Single reflector Firebeam Xtra Antifog window for head and single antifog reflector Firebeam Xtra Single antifog reflector Firebeam Xtra Anti fog window Firebeam Xtra Anti fog Firebeam Xtra Anti Fog range extension kit 70 - 140 metres Firebeam Xtra Anti Fog range extension kit 140 - 160 metres Firebeam Xtra Adjustable wall bracket for Firebeam or single reflector Firebeam Xtra Short range mask for up to 20 metres

For further information visit our website.

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