



# Fireray® 3000

## Technical Specification

Operating Range:	5 to 120 Metres
Operating Voltage Range:	12 to 36V DC ± 10%
Operating Controller Current (with 1 or 2 Receivers):	14mA (constant)
Operating Transmitter Current:	8mA (per Transmitter)
Power Down Reset Time:	>20 seconds
Fire and Fault Relay Contacts:	VFCO 2A @ 30 Volts DC resistive
Operating Temp. (non-condensing):	
UL -	-20°C to +55°C
EN54 -	-10°C to +55°C
Optical Wavelength:	850nm
LED Indications:	
Control Unit -	Red = Fire Amber = Fault Green = System OK
Receiver -	Alignment LEDs for single person alignment.
IP Rating:	IP54 (Controller)
Relative Humidity (non-condensing):	93%
Parts List (System):	1 x Transmitter (clear lens) 1 x Receiver (dark lens) 1 x Control Unit
Parts List (Additional Detector):	1 x Transmitter (clear lens) 1 x Receiver (dark lens)
Housing Material (Transmitter/Receiver/Controller):	UL94 V2 PC
CPD Reference:	0786-CPD-21162
UL File:	S3417

All figures are quoted for 25°C

## Fireray® 3000 Accessories

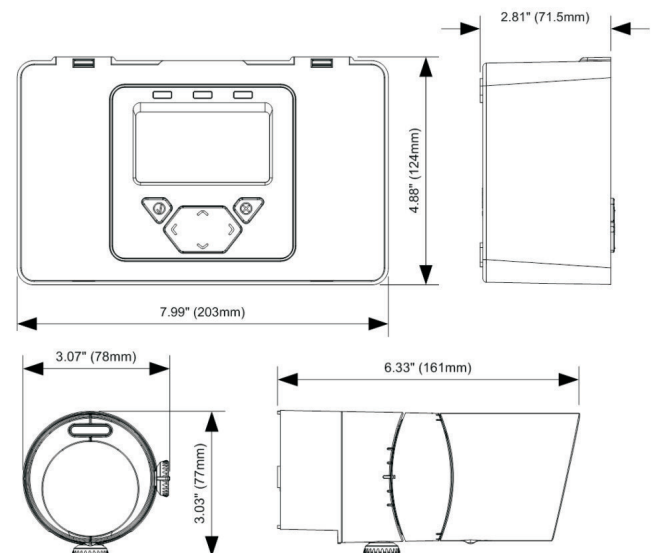


## Alarm & Operation Thresholds

	Min	Type	Max
Delay to Alarm/Fault (selectable in 1 sec steps):	2s	10s	30s
Laser Time-out (selectable in 1 min steps):	1min	5min	59min
Response Sensitivity/Threshold (selectable in 1% steps):	35%	60%	

## Weight

Control Unit:	203 x 124 x 71.5mm (W x H x D) 606g
Transmitter & Receiver	78 x 77 x 161mm (W x H x D) 207gms



## Installation Recommendations

Please refer to the User Guide (UG) for mounting, wiring and commissioning instructions. The installation of the 3000 End-To-End infra-red optical beam smoke detector should be undertaken in accordance with the recognised national, or international, standards and Codes of Practice (COP).

Specifications and wiring information are provided for information only and are believed to be accurate. FFE Ltd assumes no responsibility for their use. Data and design are subject to change without notice. Installation and wiring instructions are shipped with the products and should always be used for actual installation. For more information, contact your Sales Representative.

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