Infinity 8 Conventional Fire Alarm Panel
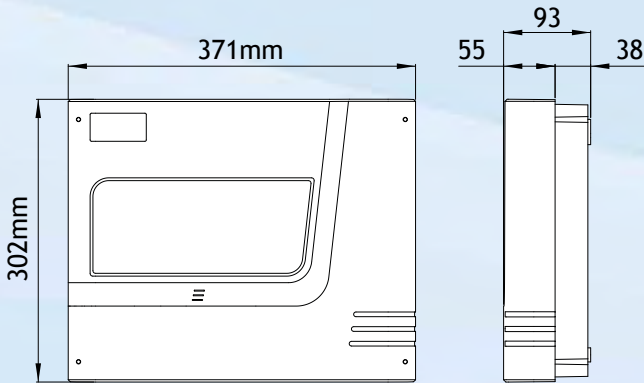
(IN1, IN2, IN4, IN6, IN8)

The Infinity 8 control panel is housed in the most attractive, modern designed, flame retardent ABS enclosure, utilising a switch mode power supply. It has a fully removable front cover which improves ease of access for cable installations.

371mm
302mm
93
55
38

Features

✓ Access via password – removes problem of lost keys

✓ One man test facility

✓ Disablement facility for zones & sounders

✓ Space for up to 3Ah batteries

✓ Sounder delay option

✓ 4 sounder circuitson ZT-IN4,6 & 8

✓ Sounder circuits 3 and/or 4 can be configured as Aux 24V supplies

✓ Meets all requirements of latest EN54 part 2 and part4

MODEL	ZT-IN1	ZT-IN2	ZT-IN4	ZT-IN6	ZT-IN8
Part No	37-650	37-651	37-652	37-653	37-654
Mains Voltage	230V AC +10% / -15% @ 50/60 Hz				
System Voltage	24V DC (Nominal)				
Zone Voltage	21V DC (Nominal)				
Sounder Alarm Output	2 x 150mA @ 24V DC		4 x 150mA @ 24V DC		
Fault Relay	1 x Volt Free Relay, SELV @ 1A Max				
Fault Relay	1 x Volt Free Relay, SELV @ 1A Max				
Zone Capacity	32 devices per zone				
Remote sounder operation	Via N/O contact connected to Class Change				
Sounder Activation Delay	0 to 9 minutes in 1 minute increments				
Zone End of line	1N4002 Diode (Cathode Stripe to Zone +ve)				
Sounder End of Line	10K resistor				
Charger Voltage	27.6V				
Battery cut off	Battery voltage less than 20V				
Battery Internal Resistance limit	0.9 ohm				
Enclosure size	375 x 316 x 90 (mm)				
Weight	3 kg (Excluding Batteries)				
Maximum battery space	2 x 3.0 AH, 12 Vdc sealed lead acid				

Premier Quatro 4 Loop Analogue Addressable Fire Alarm Panel

The Premier Quatro is the new 4 loop analogue addressable fire alarm control panel from Zeta Alarm Systems. It is available in 1, 2, 3 or 4 loop versions

Following on from the popularity of our Simplicity & Premier AD range of panels, the Premier Quatro includes more advanced cause & effect programming, and also includes a larger LCD display (increased to 4 x 40 characters).

Custom PC software will allow programming data to be transferred to the control panel.

For it's initial release, the panel will be a stand alone panel, but future developments will include a range of repeater and networking options allowing up to 125 panels on a 10,000m network.

Features

✓ 1-4 loop, expandable by loop cards
✓ 20 zone LEDs
✓ 250 programmable zones
✓ Multi-language support (currently English & Spanish, 3 more languages TBC)
✓ Real Time Clock
✓ 3072 entry event log
✓ 20 character device text
✓ 20 character zone text
✓ Zone or Device Disablement
✓ 2 x conventional sounder circuits
✓ Aux 24V supply
✓ 1 x fire relay
✓ 1 x fault relay
✓ Outputs programmable by zones
✓ Can be configured via PC or via Panel.

Compatible Devices

The Premier Quatro is compatible with all current Zeta analogue addressable field devices, which includes:-

✓ Fyreye optical smoke detectors
✓ Fyreye heat detectors
✓ Fyreye optical-heat combined detectors
✓ Addressable call points
✓ Addressable sounders / flashers
✓ Addressable beam detector
✓ Input / input-output interfaces
✓ Sounder control interface
✓ Zone monitor interface
✓ Remote LEDs
✓ Sounder bases

Premier AL 5-8 Loop Analogue Addressable Fire Alarm Panel (PR-AL/5, PR-AL/6, PR-AL/7, PR-AL/8)

The Premier AL 5-8 loop analogue addressable fire alarm control panel has been designed to meet the demand for larger centralised panels, rather than smaller panels distributed on a network.
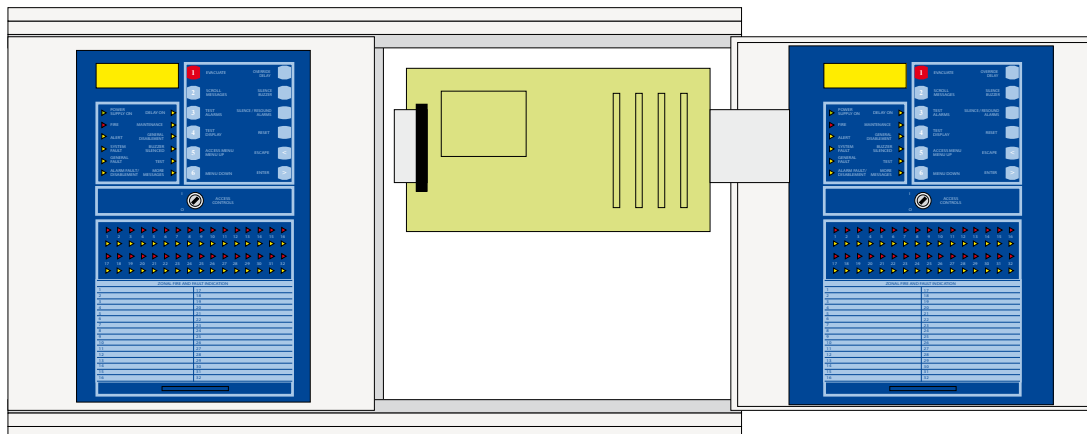
The panel consists of a large enclosure that houses two 4 loop panels (PR-AL/4) that are networked together and run off a single power supply. The second panel has its screen facing inwards behind the blank door (due to this configuration it is recommended to use the network repeater with this control panel).

This panel will occupy 2 network addresses. When viewing the loop contents, loop 1 to 4 can be viewed from the main screen and loops 5 to 8 must be viewed using the internal display.

Features

✓ 5-8 loop addressable fire alarm panel (each loop with a 126 device capacity)

✓ Complies fully to EN54 parts 2 & 4

✓ Consists of 2 PR-AL/4 panels networked together (where each offers the same functionality)

Model	PR-AL/5	PR-AL/6	PR-AL/7	PR-AL/8
Part No.	37-211	37-212	37-213	37-214
Supply Voltage	230V AC +/- 10%			
System Voltage	28V DC (Nominal)			
Addressable Loops	5	6	7	8
Loop Voltage	24V + 9 V Data			
Loop Capacity	500mA			
Sounder Output	4 x 1A @ 24V DC			
Sounder EOL	3K9 (Orange, White, Red, Gold)			
Sounder Delay	0 to 9 Minutes			
Fire Relay	4 x Relay, SELV @ 1A			
Fault Relay	2 x Relay, SELV @ 1A (Normally Energised)			
Aux Supply	2 x 500mA (Monitored)			
Other Connections	Class Change Input, Remote Fault Input, Remote Evacuate Input, Remote Reset Input, Remote Silence Input			
Operating Temperature	-0°C to +50°C			
Enclosure Size	960 x 480 x 144mm			
Weight	28 KG (Excluding Batteries)			

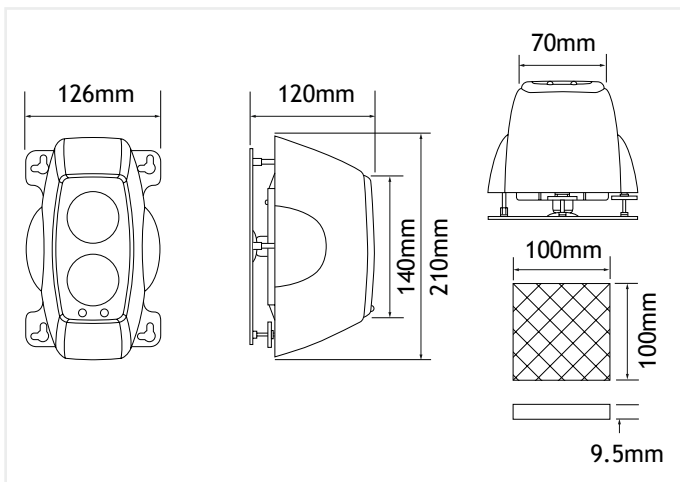Display to view contents of loops 1 to 4   Display to view contents of loops 5 to 8

Fyreye 50 & 100m Reflective Beam Smoke Detector (ZT-50RZ, ZT-100RZ, ZT-50RV & ZT-100RV)

The Fyreye reflective beam detectors comprise of a single unit incorporating an infrared transmitter & receiver. The signal is reflected by a prism and analysed for smoke presence. Should a predetermined level be reached then the detector will signal an alarm.

The system is designed to be mounted so that the beam will project between 0.3 and 0.6 metres below the ceiling and parallel to it. Lateral detection may be up to 7.5 metres either side of the beam.

Features

✓ 50 or 100 metre reflective beam smoke detector

✓ VdS approved

✓ Complies fully to;

   ✓ BS 5839 part 5

   ✓ EN54 part 12

✓ Single compact housing

✓ Horizontal or vertical mounting

✓ 12-24V DC operation

✓ Low current consumption

✓ Latching or non latching alarm

✓ Reflector targeting mode to ease set-up

✓ Microprocessor controlled

✓ Automatic contamination compensation

✓ Selectable sensitivity

✓ Robust construction

Zeta Remote LED Indicator

(ZT-RL)

Remote LEDs indicators are used in installations where a detector going to alarm is likely to occur out of sight (for instance behind a locked door or in a ceiling void). In these instances the indicator will then show the location of the alarm.

Features

✓ Twin LED's

✓ Surface or flush mounting

Model	ZT-RL
Part No.	48-023
Input Voltage	5 – 30vdc
Quiescent Current	0mA
Alarm Current	12mA
Operating Temperature	0°C - 50°C
Max Humidity	95% Relative Humidity Non-condensing
IP Rating	IP41
Size	85 x 85 x 70mm
Weight	113g

Fyreye Extra Conventional Rate of Rise and Fixed Heat Detectors (FEHE2000 & FEFHE2000)
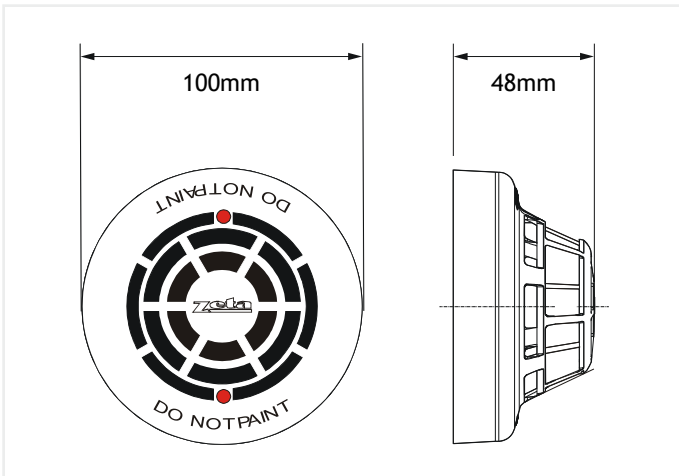
The Fyreye Rate of Rise heat detector (FEHE2000) uses a thermistor arrangement to sense a quick rise in temperature and also a final threshold temperature of 57°C. The Fyreye fixed heat detector (FEFHE2000) has a single thermistor arrangement that gives an alarm at a temperature of 90°C.

The detectors will work with most modern fire alarm control panels and comes supplied with a locking grub screw to prevent unauthorised head removal.

The Fyreye Extra range of detectors has an extra LED to improve detector identification in an alarm condition.

100mm

48mm

DO NOTPAINT

DO NOTPAINT

Features

✓ Designed to meet EN54 requirement
✓ Lockable to base to stop unauthorised removal
✓ Remote LED output
✓ Dual LEDs for 360° visibility
✓ Compatible with all Fyreye bases

Model	FEHE2000	FEFHE2000
Part No.	80-038	80-039
Detector Class	Rate of Rise & Fixed Heat Detector	Fixed Heat Only
Design Standard	EN54 part 5	
Approval	DIFT	
Operating Voltage	9-33V DC	
Quiescent Current	40µA	
Alarm Current @ 24V DC	34mA	
Operating Temperature	-10°C to +50°C	
Minimum Continuous Temperature	0°C	
Maximum Humidity	95% RH non-condensing	
Alarm Condition	Rate of rise or fixed heat trigger @ 57°C	Fixed heat trigger @90°C
Coverage	50m²	
IP Rating	IP43	
Start-up Time	10 Seconds	
Size (with Base)	100 x 48 mm (101 x 64 mm)	
Weight (with Base)	75g (133g)	

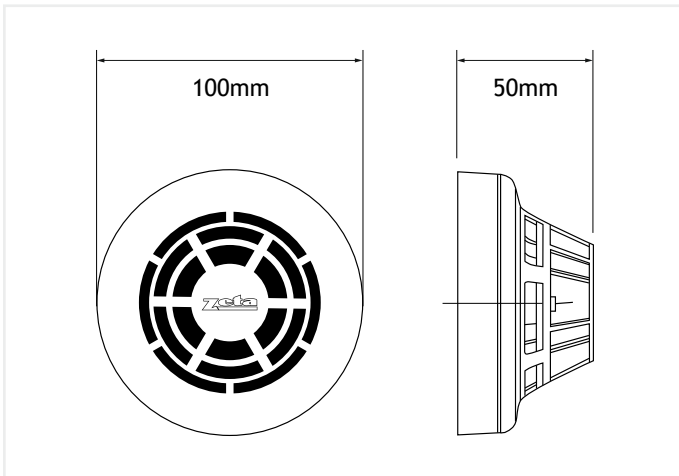# Fyreye Extra Conventional Opto-Heat Detector (FEOH2000)

The Fyreye Extra opto-heat detector incorporates both an optical chamber and heat sensing element with advanced detection technology & discrimination algorithms. This multisensor is the perfect replacement for ionisation detectors.

The detector will work with most modern fire alarm control panels and comes supplied with a locking grub screw to prevent unauthorised head removal.

The Fyreye Extra range of detectors has an extra LED to improve detector identification in an alarm condition.

100mm   50mm

Features

✓ Advanced electronic technology used to minimise false alarms

✓ Designed to meet EN54 requirement

✓ Built-in 10 seconds alarm verification

✓ Lockable to base to stop unauthorised removal

✓ Remote LED output

✓ Dual LEDs for 360° visibility

✓ Compatible with all Fyreye bases

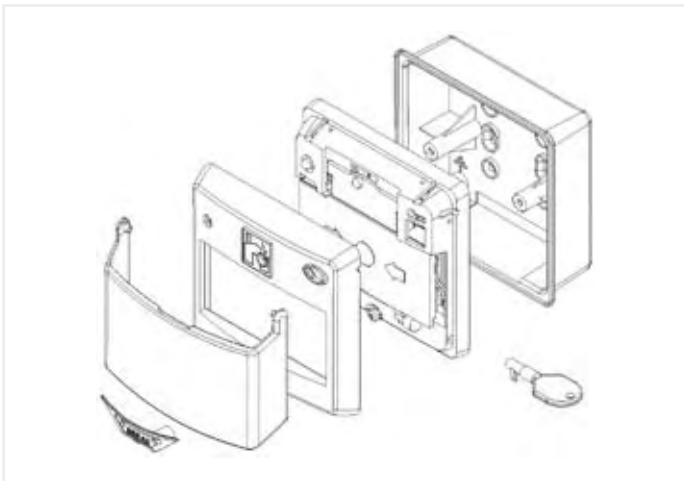| Model	FEOH2000
Part No.	80-025
Detector Class	Optical / Heat
Design Standard	EN54
Approval	DIFT
Operating Voltage	17-20V DC
Quiescent Current	100µA
Alarm Current @ 24V DC	70mA MAX
Operating Temperature	-20°C to +60°C
Minimum Continuous Temperature	0°C
Maximum Humidity	95% RH non-condensing
Alarm Condition	3% obscuration per metre
Coverage	100m²
IP Rating	IP43
Start-up Time	10 Seconds
Size (with Base)	100 x 50mm (100 x 66mm)
Weight (with Base)	95g (153g)

Zeta Conventional Manual Call Points

(ZT-CP2, ZT-CP2/W, ZT-CP1 & ZT-CP1/W)

The Zeta conventional manual call point has a modern design and has been approved by BSI to EN54 part 11. It is a resettable call point that signals an alarm with a yellow flag entering the window area and a red alarm LED.

There are two versions available; the ZT-CP2 call points comes complete with a protective Perspex cover as well as a "snaplatch" catch that needs to be broken off before the call point cover can be lifted (this acts as a deterrent to malicious activations and forms a Type B call point). Alternatively the ZT-CP1 is supplied without the Perspex cover & "snaplatch" and is single action or Type A call point.

The recommended colour for these call points is red however white is also available to meet architectural requirements.

Features

✓ BSI approved to EN54 part 11
✓ Attractive design

Model	ZT-CP2	ZT-CP2/W	ZT-CP1	ZT-CP1/W
Part No.	43-300	43-314	43-301	43-317
Type	Type B		Type A	
Element Type	Resettable			
Alarm Activation	Break "snaplatch", lift Perspex cover, press element		Press element	
Colour	Red	White	Red	White
Input Voltage	9-33V DC			
Quiescent Current	0mA			
Alarm Current	Typical 35mA (maximum 51mA)			
Alarm Load	470 Ω resistor			
Operating Temperature	-20°C to 50°C			
Max Humidity	95% RH non-condensing			
IP Rating	IP43			
Size	111 x 100 x 67mm		105 x 100 x 58mm	
Weight	198g		175g	

The Fyreye beam detectors are available with ranges of up to 50 or 100 metres and either 2 or 4 wire connections.

The **2 wire models** (ZT-50RZ & ZT-100RZ) are zone powered (please note these will only work on Premier SX & M Plus panels).

The **4 wire models** (ZT-50RV & ZT-100RV) require an external 24V power supply and have a fire & fault relay output for wide compatibility.

Typical Applications

Beam detectors are generally used for two purposes; either to cover a wide-open space and/or in places where several regular smoke detectors would be aesthetically unacceptable.

Such places include;

- ✓ Shopping centres
- ✓ Heritage sites
- ✓ Churches or mosques
- ✓ Museums
- ✓ Leisure centres
- ✓ Open Plan offices
- ✓ Warehouses
- ✓ Factories
- ✓ Power stations
- ✓ and more

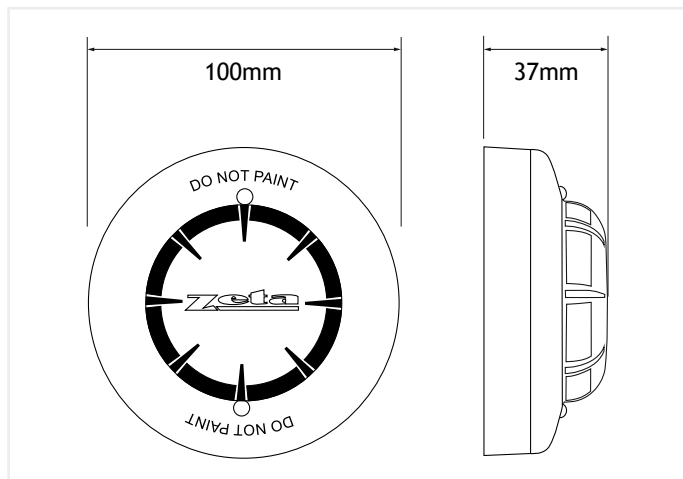| Model	ZT-50RZ	ZT-100RZ	ZT-50RV	ZT-100RV
Part No.	47-050	47-051	47-050A	47-051A
Range	5-50m	50-100m	5-50m	50-100m
Number of Wires	2		4	
Supply Voltage	10.2V to 30V DC			
Quiescent Current	<4mA			
Operating Temperature	-30°C to 55°C			
Max Humidity	95% RH non-condensing			
Max Wind Speed	Not affected			
Alarm Current	35mA (typical)		<15mA	
Fire Output	470 OHM resistor placed across zone internally		Fire relay closing (relay contact is normally open)	
Fault Output	Schottky diode introduced between –VE in & -VE out		Fault relay opening (relay contact is normally closed)	
Power Down Reset	<2 seconds		>5 seconds	
Beam Misalignment Tolerance at 35%	Detector ± 0.8° Prism ± 5.0°			
Alarm Thresholds	2.50dB (25%), 3.74dB (35%), 6.02dB (50%)			
Optical Wavelength	880nm			
Construction	Flame Retardant ABS (Grey /Black)			
IP Rating	IP50			
Size	130 x 210 x 120mm			
Weight	0.75kg		0.7kg	

Fyreye Extra Analogue Addressable Optical Smoke Detector (FEAOE2000)

The Fyreye Extra analogue addressable optical smoke detector is particularly suitable for detecting optically dense smoke, involving materials such as soft furnishings, PVC, plastic, foam and all similar materials which produce small visible particles (0.5 to 10 μm).

The FEAOE2000 works with the Zeta Addressable Protocol and is compatible with all current Zeta analogue addressable control panels.

It also comes supplied with a locking grub screw to prevent unauthorised head removal.

100mm **37mm**

DO NOT PAINT

DO NOT PAINT

Features

✓ Addressable optical smoke detector

✓ DIFT approved

✓ Complies fully to EN54 parts 5 & 7

✓ Twin LEDs to improve alarm indication

✓ Includes locking grub screw to prevent unauthorised head removal

Model	FEAOE2000
Part No.	80-125
Detector Class	Optical Smoke
Design Standard	EN54 Pt 7
Approval	DIFT
Operating Voltage	17 – 28V DC (Plus Protocol)
Quiescent Current	480μA
Alarm Current	2.3mA
Operating Temperature	-10°C to +50°C
Minimum Continuous Temperature	0°C
Maximum Humidity	95% RH Non Condensing
Return Value of 55 (Nominal Alarm Level)	2.4% Obscuration per metre
Coverage	100m²
IP Protection Rating	IP43
Start-up Time	10 Seconds
Size, Diameter x Height (with base)	100 x 37 mm (101 x 53 mm)
Weight (with base)	95 g (153g)

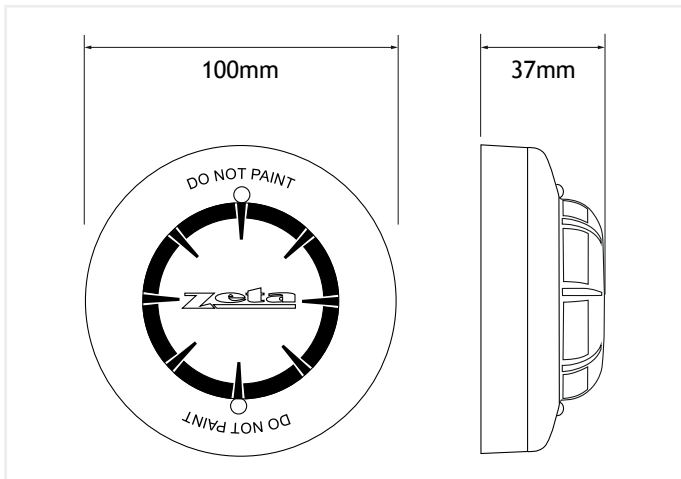# Fyreye Extra Conventional Optical Smoke Detector (FEOE2000)

The Fyreye Extra optical smoke detector uses a pulsing IR LED & photodiode to detect IR scatter caused by smoke entering the chamber.

The detector is particularly suitable for detecting optically dense smoke, involving materials such as soft furnishings, PVC, plastic, foam and all similar materials which produce small visible particles (0.5 to 10µm).

The detector will work with most modern fire alarm control panels and comes supplied with a locking grub screw to prevent unauthorised head removal.

The Fyreye Extra range of detectors has an extra LED to improve detector identification in an alarm condition.

DBI

100mm / 37mm

DO NOT PAINT
DO NOT PAINT

Features

✓ Designed to meet EN54 requirements
✓ Attractive design
✓ Dual LEDs for 360° visibility
✓ Lockable base to stop unauthorised removal
✓ Compatible with all Fyreye bases

Model	FEOE2000
Part No.	80-022
Detector Class	Optical Smoke
Design Standard	EN54 part 7
Approval	DIFT
Operating Voltage	9-33V DC
Quiescent Current	65µA
Alarm Current @ 24V DC	53mA MAX
Operating Temperature	-10°C to +50°C
Minimum Continuous Temperature	0°C
Maximum Humidity	95% RH non-condensing
Alarm Condition	2.4% obscuration per metre
Coverage	100m^2
IP Rating	IP43
Start-up Time	10 Seconds
Size (with Base)	100 x 37mm (101 x 53mm)
Weight (with Base)	95g (153g)