FireAngel®

Product Selector

here to protect you™

We are leading the way in fire safety with state of the art design and technology to deliver the most reliable, efficient and desirable home safety solutions. Our technology is used and trusted by over 90% of the UK's Fire and Rescue Services.

We are Innovation

Our UK based R&D team are committed to innovating quality products to deliver the most efficient home safety solutions.

We are Reliability

Tested and tested again using our in-house test and validation facilities, we pride ourselves on product reliability. There's a reason over 90% of the UK's Fire and Rescue Service choose FireAngel.

We are Service

We have a team of industry professionals and dedicated customer service specialists on hand to provide our customers with market leading support.

CONTENTS

OUR ALARM TECHNOLOGIES
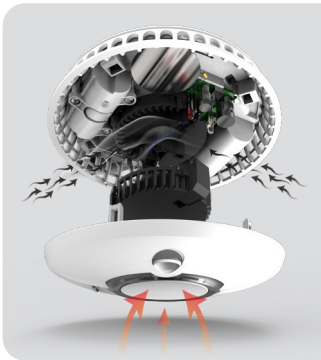
THERMOPTEK® MULTI-SENSOR
Smoke Sensing Technology

Our unique Thermoptek Multi-Sensor is the smoke alarm technology of choice for UK Fire & Rescue Services and sold throughout Europe.

Optical and heat detection technologies combine to increase the sensitivity of the alarm for a faster response.

THERMISTEK®
Heat Sensing Technology

Class A1 heat detection.

Unique radiant heat dish for a faster response.

Predicts temperature rise and primes alarm to respond sooner.

PACE SENSORS
CO Sensing Technology

Electrochemical technology is an accurate and proven method of sensing carbon monoxide (CO).

FireAngel CO alarms are fitted with long life electrochemical sensors designed to accurately measure low levels of CO. Our patented sensor also protects against leakage - the most common failure of other sensors.

MAINS POWERED

With 10 Year Lithium Battery Back-Up

230V + 🔋
Mains Powered
With 10 year lithium battery back-up

🔊zz
Sleep Easy
Silence a low battery chirp for 8 hours

📡
Wi-Safe 2
Wireless interlink

5 YEAR WARRANTY
5 Year Warranty

SM-F
Thermoptek Smoke Alarm

Equipped with the sensing technology of choice for over 90% of the UK's Fire and Rescue Services, the SM-F offers the ultimate protection against all types of fire.

The Thermoptek Multi-Sensor combines the latest in optical sensing with a thermal enhancement for a rapid detection of both fast flaming and slow smouldering fires in a single alarm.

- Tamper-proof, sealed for life battery provides always-on technology and ultimate property protection
- The only alarm with a proven carbon footprint
- Considerable energy saving characteristics
- Low profile aesthetic design
- Centralised button - test / Smart Silence / locate
- Ultra slim fast-fit base plate
- Secondary back-up buzzer

For use in   Hallway, Landing, Living Room, Bedroom, Dining Room

HM-F
Thermistek Heat Alarm

This Class A1 mains heat alarm features Thermistek technology with a unique radiant heat dish, which reflects directional heat from the fire onto the thermistor for a faster response.

The alarm also predicts temperature rise and primes the alarm to respond sooner if the temperature is predicted to be rising at a dangerous rate.

- Tamper-proof sealed for life battery provides always on technology
- Considerable energy saving characteristics
- Low profile aesthetic design
- Centralised button - test / Smart Silence / locate
- Ultra slim fast-fit base plate
- Secondary back-up buzzer

For use in   Kitchen, Garage, Loft

MAINS 9V BATTERY BACK-UP

Smoke, Heat and Carbon Monoxide Alarms

230V + 🔋
Mains Powered
With 9V battery back-up

PUSH 2 FIT
Push-Fit base
For easy installation

Modern Look

Wireless Interlink
With RF base

YEAR 5 WARRANTY
5 Year Warranty

SW1
Optical Smoke Alarm

• Mains powered with 9V battery back-up
• Enhanced optical technology reduces nuisance alarms
• Hard-wired or wireless interlink with the RF-BW-T base
• Hardwire interlink up to 12 units of SW1 / HW1 / CW1
• Wireless interlink up to 50 units of SW1 / HW1 / CW1 with help of RF-BW
• Certified to EN 14604:2005+AC:2008

For use in — Hallway, Landing, Living Room, Bedroom, Dining Room

HW1
Heat Alarm

• Mains powered with 9V battery back-up
• Advanced thermistor sensing technology
• Class A2 heat detection 54°C - 70°C
• Hard-wired or wireless interlink with the RF-BW-T base
• Hardwire interlink up to 12 units of SW1 / HW1 / CW1
• Wireless interlink up to 50 units of SW1 / HW1 / CW1 with help of RF-BW
• Certified to BS 5446-2: 2003

For use in — Kitchen, Garage, Loft

CW1-PF
Carbon Monoxide Alarm

The CW1 is easy to install with a Push2Fit base for a secure and speedy connection of the alarm to the base unit. Saving you time and money on installations.

• Mains Powered with 9V battery back-up
• Enhanced electrochemical sensor
• Hard-wired or wireless interlink with the RF-BW base
• Hardwire interlink up to 12 units of SW1 / HW1 / CW1
• Wireless interlink up to 50 units of SW1 / HW1 / CW1 with help of RF-BW
• 5 year warranty
• Certified to BS EN 50291-1: 2010

RF-BW
RF Interlink Base

Wirelessly interlink up to 50 SW1 smoke alarms, HW1 heat alarms and CW1-PF carbon monoxide alarms using the RF-BW interlink base. It's quick to install and quick to link, ensuring greater output and savings.

The base unit has been designed to transmit an RF signal when the mounted alarm senses smoke or fire. When another RF-BW base receives this signal the attached smoke or heat alarm will also sound, eliminating the need for connection wires between each alarm. Ideal when refurbishing or extending an existing property as there is no messy chasing or trunking to worry about.

• Wirelessly interlink up to 50 SW1 smoke, HW1 heat and CW1 CO alarms
• Quick to install and quick to link

BW-PF
Push2Fit Base
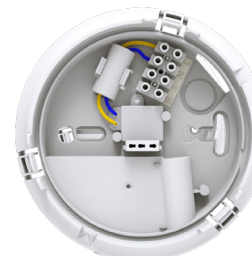
Add a Push2Fit base to ensure a secure and speedy connection of the alarm to the base unit. Saving you time and money on installations.

• Quick to install

1: Screw the mounting base firmly to the ceiling
2: Connect the mains wires to the terminal block
3: Align arrows and Push2Fit the alarm securely onto the base

BATTERY ALARMS

REPLACEABLE BATTERY ALARMS

10 Year Sealed Battery-Powered Smoke and Heat Alarms

Replaceable Battery-Powered Smoke Alarms

10 Year
Sealed for life lithium battery

Easy to Install
With automatic battery engagement on base plate

5 Year Warranty

Replaceable Battery

5 Year Warranty

ST-622
Multi-Sensor Smoke Alarm

Equipped with the sensing technology of choice for over 90% of the UK's Fire and Rescue Services, the ST-622 offers the ultimate protection against all types of fire.

The Thermoptek Multi-Sensor combines the latest in optical sensing with a thermal enhancement for a rapid detection of both fast flaming and slow smouldering fires in a single alarm.

- **Multi-sensor smoke alarm**
- **10 year sealed for life lithium battery**
- **Faster reaction to all types of fire**
- **Reduces false alarms**
- **Trusted technology used by the UK's Fire and Rescue Service**
- **Certified to EN 14604:2005+AC:2008**

For use in | Hallway, Landing, Living Room, Bedroom, Dining Room

SB5
Optical Smoke Alarm

Optical sensors reduce nuisance alarms from cooking fumes and are recommended for installation in circulation areas such as hallways and landings.

- **High performance optical sensor reduces nuisance alarms**
- **9V replaceable battery included**
- **Ideal for installations where cost is a priority**
- **Certified to EN 14604:2005+AC:2008**

For use in | Hallway, Landing, Living Room, Bedroom, Dining Room

HT-630
Enhanced Heat Alarm

This battery powered heat alarm features Thermistek technology with a unique radiant heat dish, which reflects directional heat from the fire onto the thermistor for a faster response.

The alarm also predicts temperature rise and primes the alarm to respond sooner if the temperature is predicted to be rising at a dangerous rate.

- **Thermistek technology provides a quicker response to fast flaming fires**
- **Trusted technology used by the UK's Fire and Rescue Service**
- **Smart Silence - temporarily silence known false alarms**
- **Certified to BS 5446-2:2003**

For use in | Kitchen, Garage, Loft

ST-625
Multi-Sensor Smoke Alarm

Equipped with the sensing technology of choice for over 90% of the UK's Fire and Rescue Services, the ST-625 offers the ultimate protection against all types of fire.

The Thermoptek Multi-Sensor combines the latest in optical sensing with a thermal enhancement for a rapid detection of both fast flaming and slow smouldering fires in a single alarm.

- **Multi-sensor smoke alarm**
- **2 x AA replaceable batteries included**
- **Faster reaction to all types of fire**
- **Reduces false alarms**
- **Trusted technology used by the UK's Fire and Rescue Service**
- **Certified to EN 14604:2005+AC:2008**

For use in | Hallway, Landing, Living Room, Bedroom, Dining Room

Carbon Monoxide Alarms

Sealed For Life Batteries

Advanced Electrochemical Sensor

CO-9X-10
10 Year Battery Powered Carbon Monoxide Alarm

The FireAngel CO-9X-10 is a 10 year sealed battery carbon monoxide detector with three LED status indicators to show when the unit has power, or has entered into a fault or alarm mode.

The detector is designed so that it can be wall mounted or left free standing.

- **LED display**
- **Fast-Fit bracket for quick installation**
- **Unique diagnostic capability**
- **10 year sealed battery**
- **10 year warranty**
- **Certified to BS EN 50291-1:2010+A1:2012 BS EN 50291-2:2010**

For domestic premises (caravan holiday homes),caravans, motor caravans and boats.

CO-9X
7 Year Battery Powered Carbon Monoxide Alarm

The CO-9X is battery powered carbon monoxide alarm that provides an early warning of the presence of CO in a home.

Features three LED status indicators to show when the unit has power, or has entered into a fault or alarm mode.

- **Designed so that it can be wall mounted or left free-standing**
- **Fast-Fit bracket for quick installation**
- **Unique diagnostic capability to provide a report giving the time, date and level of CO in the property**
- **7 year sealed battery**
- **7 year warranty**
- **Certified to BS EN 50291-1:2010+A1:2012 BS EN 50291-2:2010**

For domestic premises (caravan holiday homes),caravans, motor caravans and boats.

CO-9D
7 Year Battery Powered Digital Carbon Monoxide Alarm

The FireAngel CO-9D digital, 7 year life carbon monoxide alarm provides an early warning of the presence of CO in your home.

The digital LCD display shows low levels of CO down to 10ppm and also peak readings over the previous 4 weeks.

- **Unique digital display**
- **Shows peak levels of CO detected over a 4 week period**
- **Displays CO levels as low as 10ppm**
- **7 year sealed battery**
- **7 year warranty**
- **Certified to BS EN 50291-1:2010+A1:2012 BS EN 50291-2:2010**

For domestic premises (caravan holiday homes), caravans and motor caravans.

CO-9B
Replaceable Battery Powered Carbon Monoxide Alarm

The CO-9B has a 7 year lifespan and manufacturer's warranty period, and is supplied with 2 x AA batteries to power the alarm.

- **LED display**
- **Free-standing or wall mounted**
- **Supplied with 1 year replaceable AA alkaline batteries**
- **7 year warranty**
- **Certified to BS EN 50291-1:2010+A1:2012 BS EN 50291-2:2010**

For domestic premises (caravan holiday homes),caravans, motor caravans and boats.

WI-SAFE 2

Wirelessly Connected Products

Wi-Safe 2 simplifies installation with a simple two button connection process. No wiring, mess or fuss.

10 Year
Sealed for life lithium battery

Wi-Safe 2
Wireless interlink

5 Year Warranty

W2 Module
Smart Wireless Module

Wi-Safe 2 wireless modules provide a wireless connection between any Wi-Safe 2 enabled alarm.

ST-630
Multi-Sensor Smoke Alarm with W2 Module

Equipped with the sensing technology of choice for over 90% of the UK's Fire and Rescue Services, the ST-630 offers the ultimate protection against all types of fire.

The Thermoptek Multi-Sensor combines the latest in optical sensing with a thermal enhancement for a rapid detection of both fast flaming and slow smouldering fires in a single alarm.

- **Multi-sensor smoke alarm**
- **10 year sealed for life lithium battery**
- **Faster reaction to all types of fire**
- **Reduces false alarms**
- **Silence and locate feature**
- **Wi-Safe 2 compatible**
- **Certified to EN 14604:2005+AC:2008**

For use in	Hallway, Landing, Living Room, Bedroom, Dining Room

---

HT-630
Enhanced Heat Alarm with W2 Module

This battery powered heat alarm features Thermistek technology with a unique radiant heat dish, which reflects directional heat from the fire onto the thermistor for a faster response. The alarm also predicts temperature rise and primes the alarm to respond sooner if the temperature is predicted to be rising at a dangerous rate.

- **Thermistek technology provides a quicker response to fast flaming fires**
- **Trusted technology used by the UK's Fire and Rescue Service**
- **Wi-Safe 2 compatible**
- **Certified to BS 5446-2: 2003**

For use in	Kitchen, Garage, Loft

SM-F
Thermoptek Smoke Alarm with W2 Module

Equipped with the sensing technology of choice for over 90% of the UK's Fire and Rescue Services, the SM-F offers the ultimate protection against all types of fire.

The Thermoptek Multi-Sensor combines the latest in optical sensing with a thermal enhancement for a rapid detection of both fast flaming and slow smouldering fires in a single alarm.

- **Tamper-proof, sealed for life battery provides always-on technology and ultimate property protection**
- **The only alarm with a proven carbon footprint**
- **Considerable energy saving characteristics**
- **Low profile aesthetic design**
- **Centralised button - test / Smart Silence / locate**
- **Ultra slim fast-fit base plate**
- **Secondary back-up buzzer**
- **Wi-Safe 2 compatible**

For use in	Hallway, Landing, Living Room, Bedroom, Dining Room

---

HM-F
Thermistek Heat Alarm with W2 Module

This Class A1 mains heat alarm features Thermistek technology with a unique radiant heat dish, which reflects directional heat from the fire onto the thermistor for a faster response.

The alarm also predicts temperature rise and primes the alarm to respond sooner if the temperature is predicted to be rising at a dangerous rate.

- **Tamper-proof sealed for life battery provides always on technology**
- **Considerable energy saving characteristics**
- **Low profile aesthetic design**
- **Centralised button - test / Smart Silence / locate**
- **Ultra slim fast-fit base plate**
- **Secondary back-up buzzer**
- **Wi-Safe 2 compatible**

| **For use in**	Kitchen, Garage, Loft

---

NM-CO-10X
Wireless Interlink Carbon Monoxide Alarm

The NM-CO-10X is a 10 year battery powered, sealed for life carbon monoxide alarm.

Adding a W2 module provides an intelligent wireless interlink with up to 50 other Wi-Safe 2 enabled devices. Meaning any danger is reported by every alarm throughout the property to enable a faster response.

- **Wi-Safe 2 compatible**
- **Unique diagnostic capability**
- **Single or double point fixing options**
- **5 year warranty**
- **Certified to BS EN 50291-1:2010+A1:2012 BS EN 50291-2:2010**
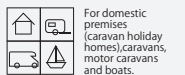
For domestic premises (caravan holiday homes),caravans, motor caravans and boats.
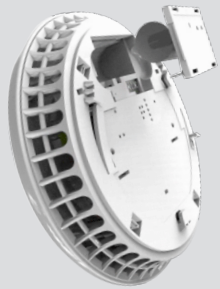
ACCESSORIES

Expand Your Network

WTSL
Wireless Alarm Control

The easiest way to test, silence and locate Wi-Safe 2 enabled wireless alarms.

- **Replaceable battery**
- **Works with any Wi-Safe 2 enabled alarm**
- **Smoke, heat and CO alarm identification**
- **Mixed system compatibility with wireless and hard-wired alarms**
- **5 year warranty**

Z·WAVE zigbee

Smart Home Modules

Add to your network of connected devices by adding a Z-Wave or Zigbee wireless module to compatible alarms such as the ST-630, HT-630 or NM-CO-10X. The modules enable a smoke, heat or carbon monoxide (CO) alarm to wirelessly connect to a third party Z-Wave or Zigbee Controller.

Z-Wave Module
Smart Wireless Module
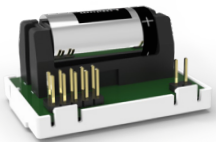
Z·WAVE wireless modules provide a wireless connection between your FireAngel alarm and third party Z-Wave controller.

Zigbee Module
Smart Wireless Module
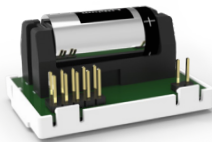
zigbee wireless modules provide a wireless connection between your FireAngel alarm and third party Zigbee controller.

RLYM-1EU
Mains powered Relay with 10 year battery back-up

To connect smoke, heat and CO alarms to other external devices in a single network.

- **RLYM-1 mains version provides hard-wire interconnect only**
- **Can differentiate between smoke/heat & CO signals and can activate relay outputs independently from each other**
- **2 x NO/NC output relay contacts can be triggered by 230V alarms**
- **Both relay outputs rated up to 250V AC-5A / 30VDC**
- **Output signals either pulsed or continuous via dip switch**
- **Links with Telecare**
- **1 x input contact 12-24V DC**
- **Low battery / end of life buzzer**
- **Both relay contacts will fail safe**
- **Test button for relay testing**
- **5 year warranty**

WRLYM-1EU
Mains powered Relay with Wireless Interlink
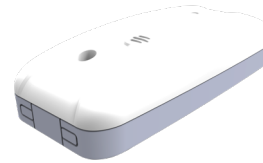
To connect smoke, heat and CO alarms to other external devices in a single network.

- **WRLYM-1 mains version with wireless interlink only**
- **2 x NO/NC output relay contacts can be triggered by 230V alarms**
- **Both relay outputs rated up to 250V AC-5A / 30VDC**
- **Output signals either pulsed or continuous via dip switch**
- **Links with Telecare**
- **1 x input contact 12-24V DC**
- **Can be powered by 12V external adaptor (not supplied)**
- **Low battery / end of life buzzer**
- **Both relay contacts will fail safe**
- **Test button for relay testing**
- **Wi-Safe 2 compatible**
- **5 year warranty**

FS1552W2-T
Combined Strobe and Vibrating Pad

The FS1552W2-T provides additional protection for those with hearing loss, who may not hear the sound of an alarm.

- **Compatible with and activated by any Smart RF wireless smoke, heat or CO alarm**
- **The flashing strobe provides a visual warning, while the vibrating pad can be placed under a pillow or mattress during sleep**
- **The flashing strobe can be used independently from the pillow pad**
- **Flexibility in positioning: wall-mounted or free-standing**
- **Enables low level testing of all interlinked products in the network, avoiding the need to reach up to ceiling mounted alarms to test**
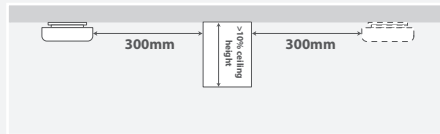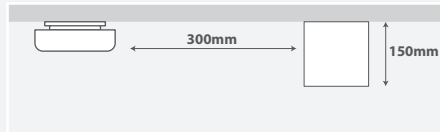- **Certified to BS5446-3:2005**

Siting of Smoke Alarms*

Flat ceiling

- Site at least 300mm from walls
- Site at least 300mm from any light fittings
- Site as centrally as possible
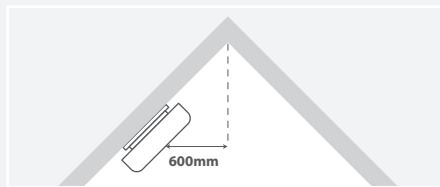
300mm 300mm
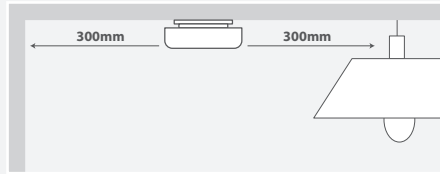
Flat ceilings with beams

- Site at least twice the depth of the beam away e.g. 150mm beam depth: site the alarm at least 300mm away from the beam

- If depth of beam is greater than 10% of the ceiling height, the beam should be treated as a wall (alarms need to be on either side of the beam)
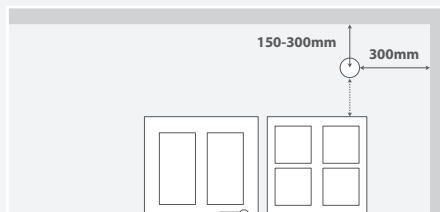
300mm 150mm

300mm 300mm
> 10% ceiling height

Pitched roof

- Site at no more than 600mm horizontally from apex

600mm

Wall mounted

- The top of the detection element is between 150mm and 300mm below the ceiling
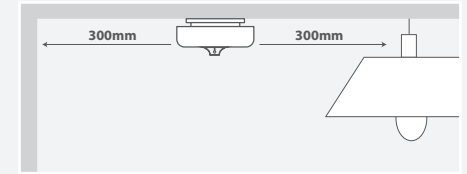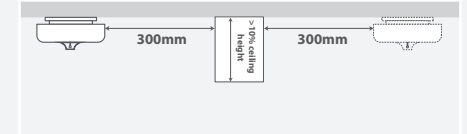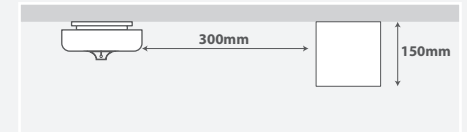- Site at least 300mm from a perpendicular wall

150-300mm 300mm

Siting of Heat Alarms*

Flat ceiling

- Site at least 300mm from walls
- Site at least 300mm from any light fittings
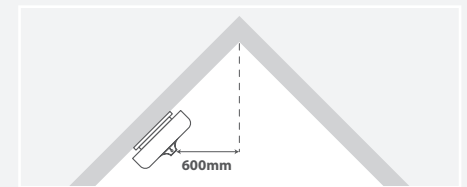- Site as centrally as possible

300mm 300mm

Flat ceilings with beams

- Site at least twice the depth of the beam away e.g. 150mm beam depth: site the alarm at least 300mm away from the beam

- It is important that heat alarms are installed in the centre of the room with attention that they are not located to close to stoves and cookers

- If depth of beam is greater than 10% of the ceiling height, the beam should be treated as a wall (alarms need to be on either side of the beam)
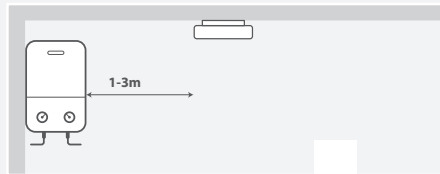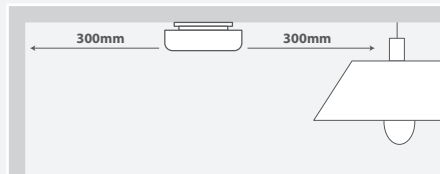
300mm 150mm

300mm 300mm
> 10% ceiling height

Pitched roof

- Site at no more than 600mm horizontally from apex

600mm

* For full guidance on which type of alarm to install and where consult BS5839-6

* For full guidance on which type of alarm to install and where consult BS5839-6

Siting of CO Alarms*

When installing a CO alarm in a room where there is an appliance fitted

When installing a CO alarm in a room where there is no appliance fitted
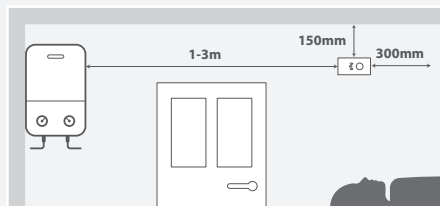
Ceiling mounted

- Site at least 300mm from walls
- Site at least 300mm from any light fittings

300mm   300mm

- Site between 1 to 3 metres from the fuel-burning appliance
- If the room has a partition, site the alarm on the side the appliance is situated in

1-3m

Wall mounted

- Site at the breathing height of the occupants (bed height)

- Site at the breathing height of the occupants (seated height)
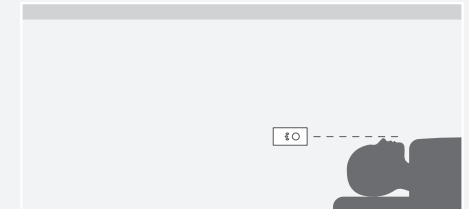
Wall mounted in a bedroom

- Site close to the ceiling but at least 150mm down.
- Site at least 300mm from a perpendicular wall
- Site between 1 to 3 metres from the fuel-burning appliance

1-3m   150mm   300mm

*The below guidance is taken from BS EN 50292-2013, for further advice please refer to the standard.

*The below guidance is taken from BS EN 50292-2013, for further advice please refer to the standard.

fireangel.co.uk