FireClass FC460 Detectors

Detection Modes

The FC460 range of detectors use the FireClass digital protocol to provide robust and reliable communications to the control panel. A wide range of cable types can be used and the open topology capability of the system makes it ideal for the upgrade of older systems whilst reusing the cables to reduce cost.

Whilst the optical detector can be set to three different sensitivities and the heat detector programmed in one of three different detection modes, the photo/heat multisensor has available a total of 14 approved modes/sensitivities. The photo/heat multisensor can also, simultaneously operate as two independently addressed detectors using different modes of operation.

For sleeping risk applications the FC460PC triple multisensor will rapidly detect across the widest range of fire types including very slow smouldering fires typical of soft furnishings. By selecting resilient mode the FC460PC triple multisensor provides early detection with unrivalled levels of false alarm rejection, ideal for hotel applications.

Product Description

FireClass FC460 detectors provide the best in class environmental and detection performance with the capability of detecting all fire types. The Range includes an Optical/Heat Multisensor and Optical/Heat/CO Triple Multisensor.

Automatic self testing of each sensor element offers reassurance of operation at all times and the 360° alarm, isolated and fault LED on each detector provides instant line of sight. Fourteen EN54 approved modes/sensitivities for the Optical/Heat Multisensor help to provide one of the best and most versatile detectors on the market.

General Features

· Multiple fire detection modes

· FireClass detection algorithms

· CO fire detection technology

· Up to 250 detectors per loop

· Optional bi-directional line isolation

· Remote detector verification & temperature read out

· Highly featured service tool

· Programmable alarm LED with 360° viewing angle

· Optional detector locking pin

· Variety of sounder and relay detector base

· Internationally approved
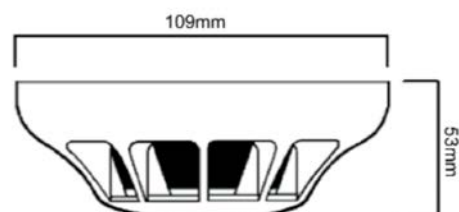
A new class of Fire Detection

FC460PH

With its ability to detect a wide range of fires, from flaming to smouldering types, the combined optical and heat multi-sensor detector is the preferred choice for a range of applications including light industrial, retail and office environments. It operates in a number of approved modes and sensitivities that can be dynamically selected to suit different environmental conditions.

FC460P

More benign environment where any potential fire will be slow burning can be protected using the optical detector. A choice of sensitivities gives this detector a broad range of applications.

FC460H

Complimenting the range is the heat sensor which can operate in fixed temperature and rate-of-rise modes. It is most often used in areas where high levels of dust are present or where the environment precludes the use of smoke detectors.

FC460PC

For life protection and when the environmental conditions are challenging, the multisensor smoke, heat and CO detector provides the ultimate in detector performance. It uses the three sensor elements in concert to accurately determine the presence of fire with false alarm rejection properties that make it the ideal choice for hotel bedrooms where steam from bathrooms is a common source of false alarms.

Product Order Codes

516.460.501   FC460PH Combined Optical and
                   Heat Detector
516.460.502   FC460P Optical Detector
516.460.503   FC460H Heat Detector
516.460.504   FC460PC Multi-Sensor Smoke,
                   Heat and Carbon Monoxide Detector

Installation Features

· Standard bases with multiple mounting options simplify installation

· Unique 'park' position for commissioning and service procedures

· Detector addressing programmed from the Service tool or FireClass control panels

· Address flag—fixed to the base to prevent mix ups during service

· Full range of remote installation and service tools

· Dirty detector read-out can be viewed on the service tool or panel