Description

The PRECISION Photoelectric Smoke Detector is a highly intelligent device that has been optimized to detect incidents resulting from smouldering fires making it particularly suitable for life safety applications. The detector includes false alarm rejection and automatic drift compensation algorithms to provide greater stability and accuracy without compromising its sensitivity to smoke.

Designed for operation with the PROACTIV Fire Alarm Control Panel (FACP) System, the Photoelectric Detector has a moulded white polycarbonate case with two clear LEDs, wind-resistant smoke inlets and an insect resistant mesh.

Function

The PRECISION Photoelectric Smoke Detector can operate in five (5) different modes and is easily programmable from the PROACTIV FACP. The detector can report three (3) alarm conditions, ALERT, ACTION and ALARM.

The five different modes allow for preset combinations of smoke sensitivity and confirmation delays, enabling application in a wide range of operating conditions.

Features

- Distributed Intelligence Architecture
- Five (5) individually programmable operating modes
- Three (3) alarm levels
  - Alert
  - Action
  - Fire Alarm
- False alarm rejection
- Automatic drift compensation
- Dual LED status indicators
- Optional remote LED
- Fits 4 and 6 inch universal mounting bases
- PRECISION SLC device
  - Style 4, 6 or 7 wiring
  - Analog addressable
  - Priority Alarm reporting
  - Secondary conventional alarm reporting
Operation

The detector uses light scattering technology to detect the smoke characteristics and density. The reflected light is read by a photo-diode sensor and is converted to a digital format, which is processed to provide a digital value for transmission to the PROACTIVE FACP when the device is polled.

The detector has two integral LED indicators, which can be illuminated by the FACP to indicate that the device is in alarm. The detector can be programmed to flash each time the device is polled.

If communication with the FACP is interrupted, the detector automatically switches to its conventional alarm reporting mode. When a fire is detected, the detector imposes an alarm signal on the SLC which is received by the FACP.

Ordering Information

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Note: Not all of the above products are available in all regions. Consult your local distributor or Xtralis office for more information.