CHEMORI AMERICAS

Ionization Smoke Detector
Series 65A

DESCRIPTION

Chemori Series 65A incorporates well-proven sensing technologies, together with advances in materials and electronics technology, including an IC based on that used in XP95 analogue addressable detectors. Having a wide operating voltage of 9-33V, the Chemori Series 65A range consists of ionization, integrating ionization and photo-electric smoke detectors, 2 grades of thermal detector and a standard base. Each type of detector has an LED which flashes continuously in stand-by mode.

P/N: CR 60048

The sensing part of the detector consists of two chambers - an open, outer chamber and a semi-sealed reference chamber within. Mounted in the reference chamber is a low activity radioactive foil of Americium 241 which enables current to flow between the inner and outer chambers when the detector is powered up. As smoke enters the detector, it causes a reduction of the current flow in the outer chamber and hence an increase in voltage measured at the junction between the two chambers. The voltage increase is monitored by the electronic circuitry which triggers the detector into the alarm state at a preset threshold. An externally visible red LED lights up when the detector changes to alarm state.

Features

- Flashing LED
- Alarm Indication: Red LED
- Supply voltage: 9 to 33 V
- Standby current: 45 µA at 24V, 21 µA at 9V
- Alarm current: 52 mA at 24V, 17 mA at 9V
- Ambient temperature: 32°F to 158°F (0°C to 70°C)
- Sensitive to air (wind) movement up to 2,000 ft/min (maximum wind continuous)
- Compliant to the EMC Directive 98/336/EEC and the Construction Products Directive 89/106/EEC
- Wide operating voltage
- Advanced electronic technology
- Can be used on security systems
- Proven detection performance

CR 60049
Chemori Series 65A Common Detector Base

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