

MULTICRITERIA PHOTOELECTRIC SMOKE / THERMAL DETECTOR MODEL AD 338-2HL

Product Overview

Features

- Low profile design
- Low current draw
- Wide operating voltage 8 to 30V DC
- Bi-colour LED detector status indicator
- Automatic drift Compensation
- Remote alarm test feature
- Easy Maintenance
- Range of detector bases available
- Remote LED Option
- Approved to EN54- 5:2000 (Amendment1)
- EN54- 5:2000 (Amendment1) Class A1R ; CEA 4021
- Extended warranty



The AD 338 - 2HL photoelectric smoke / thermal detector incorporates an optical chamber and a thermal element, which in turn are continually monitored by an on board processor by using algorithms developed specifically for the unit. An alarm signal is only enabled in the detector once the processor is satisfied that an incipient fire has been detected. By using a combination of inputs, the incidence of nuisance alarms is reduced while at the same time, the response time to an actual fire is also improved.

'Drift Compensation' algorithms are one of the key features of the AD 338 - 2HL detector. These algorithms ensure a consistent alarm sensitivity threshold for periods between service intervals. This provides the user with both a reduction in the frequency of nuisance alarms and maintenance savings by extending the period before cleaning of the detector chamber is required.

RATE OF RISE THERMAL DETECTOR (MODEL AD 318- 2L)

Product Overview

Features

- Low profile design
- Low current draw
- Wide operating voltage 8 to 30V DC
- Bi-colour LED detector status indicator
- 58°C Operating Temperature
- Remote alarm test feature
- Easy Maintenance
- Range of detector bases available
- Remote LED Option
- Approved to EN54- 5:2000 Class A1R
- Extended warranty



The AD 318 - 2L thermal detector incorporates an Application Specific Integrated Circuit (ASIC). Combined with the latest in thermal element technology the detector provides efficient and accurate detection of fire, especially in environments such as bars or kitchens where smoke detectors are inappropriate due to high level of airborne contamination.

Electrical Specifications

Operating Voltage Range
8 to 30VDC (Nominal 12/24VDC)

Maximum Standby Current @25°C
60µ A @ 24VDC - AD338-2HL /
55µ A @ 24VDC - AD 318- 2L

Maximum Permissible Alarm Current
80mA (current limited by control panel)

Environmental Specifications

Application Temperature Range
(see note)
-30° C to +70° C

Humidity
5% to 95% Relative Humidity
(non-condensing)

Mechanical Information

Height
40.5mm
(plus 9.5mm for standard base)

Diameter
102mm

Weight
75g (plus 45g for standard base)

Wire Gauge for Terminals
0.4mm² to 2.0mm²

Colour
Approximates to RAL9016

Material
ABS