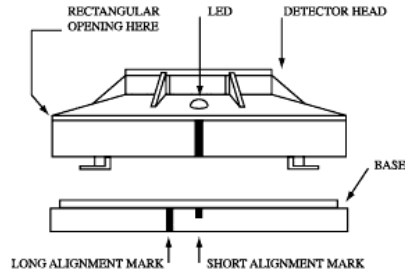




INTEGRAL TECHNOLOGIES

FA-APD/AHD

Addressable Smoke and Heat Detectors



FA-APD Optical Smoke Detector:

The Optical Smoke Detector has an Internal Pulsing LED and Photo-Diode at an Obtuse Angle. In Clear Air Conditions the Photo-Diode Receives no Light from the LED and Produces a Corresponding Analog Signal. When Smoke Enters the Chamber it Scatters the Light onto the Photo-Diode, Increasing the Signal Transmitted to Control Equipment. The Clear LED Emits Continuous Red Light when the Detector is in Alarm Stage and Blinks Green in Standby Position.

FA-AHD Heat Detector:

The Heat Detector has a Low Air Flow Resistant Case for Good Contact Between Sensing Thermistor and Surrounding Air. Temperature is Measured by a Single Thermistor Network which gives a Voltage Output Proportional to the External Air Temperature. The Signal is Processed and Transmitted to Control Equipment.



EN-54

Specifications:

Model	FA-APD	FA-AHD
Size of Device in Base H x D mm	46 x 100	46 x 100
Supply Voltage	17 – 28 VDC	17 – 28 VDC
Quiescent Current	340 μ A	250 μ A
Normal Surge Current (Synchronized to ADC Operation)	600 μ A	310 μ A
Alarm Indication	Red LED	Red LED
Alarm LED Current	4 mA	2 mA
Normal Operating Temperature	-20° to +60°C	-20° to +70°C
Humidity (No Condensation)	0-95%	0-95%
Maximum Wind (Continuous)	Unaffected	-