

## Specification for Fixed Type Flame Detector

<b>General Specifications</b>	
Detector Type	: Flame Detector for Hydrocarbon and Hydrogen flames
Flame Detector Test Lamp/Simulator	: Suitable for testing quoted Flame Detector model. Quantity: 1 No.
Wavelengths to be detected	: IR: 2.7 $\mu\text{m}$ & 4.3 $\mu\text{m}$ , UV & Visible: Optional
Field of View	: 70° Vertical and 70° Horizontal or better
Typical Response Time	: $\leq 10$ seconds for standard fire
<b>Electrical Specifications</b>	
Input Voltage	: 24 VDC - Nominal; 18-28 VDC - Range
Cable	: 3 wire
<b>Outputs Required</b>	
Output Signals	: 4-20 mA
Display	: LED to indicate detector's status
Relays	: Alarm and fault relays
<b>Mechanical Specifications</b>	
Transmitter housing	: Epoxy coated aluminium/Stainless steel
Type	: Explosion proof- Ex d IIC T4
Ingress Protection	: IP 65
Tilt Mount Bracket	: Stainless Steel with electro polish finish along with suitable mounting screws/ bolts and nuts
<b>Environmental Conditions</b>	
Operating Temperature	: - 20°C to +70°C
Humidity	: 20 to 90% RH
<b>Approvals</b>	
PESO or ATEX	: Ex d IIC T4
<b>Documentations (To be provided along with supply)</b>	
Warranty Certificate	: Not less than for 12 months from date of supply
Approval Certificates	: PESO or ATEX

Calibration Certificate	:	For all detectors
Documents	:	Specification data sheet, instruction manual for installation/ maintenance & trouble shooting.