Reliable Flame Scanning is “Simplicity” Itself

INTRODUCING

Simplicity

65UV5-1004, 1004E FLAME SCANNERS

FROM

fireye

FEATURES INCLUDE:

• Fully integrated design - a true one piece system
• No programming - minimal setting up - ‘out of the box’ operation
• Superb detection, sensitivity and wide angle of view
• Field proven and reliable technology
• Worldwide safety agency approvals
• Rugged NEMA 4X (IP66) housing
• Hazardous Area Classification
• Truly economical solution
• Two versions covering world-wide applications
**Specifications**

**Mechanical:**
- **Housing Material:** Cast aluminum with black polyester powder coat finish
- **Housing Weight:** 4 lbs (2kg)
- **Environmental:** NEMA 4X, IP66
- **Mounting:**
  - Model 1004: 1" NPT female pipe mount with 3/4" NPT female cooling air connection
  - Model 1004E: 1" BSP female pipe mount with 3/4" BSP female cooling air connection
- **Hazardous Classification:**
  - Model 1004: Class I Div 2, Groups A, B, C, D, T4A TA = 65°C
  - Class II Div 2, Groups F & G, T4A TA = 65°C
  - Model 1004E: Ex II 3 G/D Ex nA IIC T4A

**Cooling/Purge Air Requirements:**
- **Source:** Clean, dry, cool
- **Volume:** 4 SCFM (113 l/min) at 3/4" threaded mounting flange, or 1 inch “Y” fitting, mounted on scanner sight pipe. Temperature near the upper limit of the scanner operating range and/or use with dirty/dusty fuels may require up to 15 SCFM (425 l/min)
- **Pressure:** Adequate to overcome furnace or windbox pressure
- **Temperature Rating:** -40°F to +150°F (-40°C to +65°C)
- **Humidity:** 0% to 95% relative humidity, non-condensing

**Electrical:**
- **Input Power:** 24 Vdc, +10%, -15% supply current 100 mA
- **Electrical Connection:** Cable gland and 10 ft (3m) of captive eight conductor cable
- **Flame Relay Output:** SPDT (1 N.O., 1 N.C.)
- **Fault Relay Output:** SPST (1 N.O.)
- **Contact Rating:** Minimum: 10 mA @ 5 Vdc
  - Maximum: 2 A @ 30 Vdc,
  - 2 A @ 240 Vac
- **Analog Output:** 4-20mA dc current, referenced to 24 VDC common, maximum connected load 750 ohms
- **Status Indication:** One (1) internal 2-color LED: “Flame Signal”, “Fault”

**Integral Cable Specification:**
- **Eight (8) Conductors:** #18 AWG, color coded
- **Jacket:** PVC, meets UL PLTC Class I, Div 2, no conduit required, UV and Oil resistant
- **Outside Diameter:** 0.383" NOM.
- **Cable Temperature Rating:** -13°F to + 221°F (-25°C to +105°C)

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**65UV5 Flame Scanner Dimensions**

![Diagram of Flame Scanner Dimensions](image)

**LED Viewport**

**Thinking Beyond the Traditional...**

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