**SPECIFICATIONS**

**MECHANICAL:**

**Housing Material:**

Standard Models and Model CEX-2: Cast aluminum with gray polyester powder coat fin-ishModel

CEXSS: 316 stainless steel w/zinc primer, gray epoxy midcoat, polyurethane topcoatHousing

**Weight:**

Standard Models: 5.9 lbs. (2.69kg); CEX-2 Model: 13.2 lbs (5.98 kg)Model CEXSS: 21.3 lbs. (9.66 kg); All other CEX Models: 7.1 lbs (3.22 kg

**Environmental:**

NEMA Type 4X / IP66, Class I Division 2, Groups A, B, C & D, Class II Division 2, Groups F& G (refer to agency approvals table)

**Mounting:**

Requires one threaded mounting flange, ordered separately (see below). For fiber optic mount, refer to bulletin CU-117

**Cooling / Purge Air Requirements:**

**Source:**

Clean, dry, cool

**Volume:**

4 SCFM (113 l/min) at 3/8” threaded mounting flange, or 1 inch “Y” fitting, mounted onscanner sight pipe. Temperature near the upper limit of the scanner operating range and/or use withdirty/dusty fuels may require up to 15 SCFM (425 l/min).

**Pressure:**

Adequate to overcome furnace or windbox pressure

**Operating Temperature Rating:**

-40°F to + 150°F (-40°C to +65°C), ambient; -40°F to 176°F (-40°C to 80°C), scanner internal temperature

**Storage Temperature Rating:**

-40°F to + 185°F (-40°C to +85°C)

**Humidity:**

0% to 95% relative humidity, non-condensing

**STANDARD MOUNTING FLANGE:**

**Material/Weight:**

Cast aluminum with gray polyester powder coat finish. Contains an integralheat-insulating female thread insert / 0.62 lbs (0.28 kg)

**Flange Threads:**

P/N 60-2919-1 1" NPT female pipe mount with 3/8” NPT female cooling air connection.P/N 60-2919-2 1" BSP female pipe mount with 3/8” BSP female cooling air connection.

**OPTIONAL MOUNTING FLANGE, STAINLESS STEEL:**

**Material/Weight:**

316 Stainless steel (without heat-insulating threaded insert), with zinc primer, gray epoxy midcoat, polyurethane topcoat / 1.86 lbs. (0.84 kg).

**Flange Threads:**

P/N 60-2692SS 1" NPT female pipe mount with 3/8” NPT female cooling air connection.P/N 60-2693SS 1" BSP female pipe mount with 3/8” BSP female cooling air connection.

**OPTIONAL MOUNTING FLANGE, CAST ALUMINUM:**

**Material/Weight:**

Cast aluminum (without heat-insulating thread insert), with grey polyester powder coat finish / 0.5 lbs (0.23 kg)

**Flange Threads:**

P/N 60-2692-4, 1" NPT female pipe mount with 3/8" NPT female cooling air connection.P/N 60-2693-4, 1" BSP female pipe mount with 3/8" BSP female cooling air connection.

**ELECTRICAL:**

**Input Power:**

24 Vdc, +10%, -15% supply current: 0.35 A, 8.5 VA, Hold Time must be 20 msecMin. Fireye power supply 60-2685 is recommended

**Electrical Connection:**

8-pin and 12-pin screw type quick-disconnect, (model 95DSS3-1)

**Relay Output:**

2FLAME RELAYS, SPDT (N.O. and N.C.)FAULT RELAY, SPST (N.O.)

**Contact Rating:**

Minimum: 10 mA @ 5 Vdc Maximum: 100 mA @ 30 Vdc; 100 mA @ 50 Vac (-1 versions, e.g., 95DSS3-1)Maximum: 2A @ 30Vdc; 2A@230 Vac (-2 versions, e.g., 95DSS3-2)

**Analog Output:**

Two, 4-20 mA dc current, referenced to 24Vdc common, Max. connected 1oad: 750 ohms

**Operator Interface:**

P/N 95DISP-1, 95DISP-1-SS, Alpha -Numeric Display with five pushbutton keys.P/N 95WIDISP-2 Infrared Transmitter, used in conjunction with P/N 95WIHH-2 Hand-held communications tool.

**Cable Specification:**

P/N 59-546 (8-conductor), P/N 59-547 (12-conductor): Multi-core, 8 and 12 conductor (color coded), 18- AWG, with foil wrap and overall braided shield and drain wire. PLTC-ER rating. Maximum cable length 1000 feet (305 meters)Cable Jacket: PVC / black (flame-retardant, RoHS compliant)

**Temperature Rating:**

-40°F to +221°F (-40°C to +105°C)P/N 59-546 Nominal O.D. 0.44" (11.2 mm), maximum O.D. 0.48” (12.2mm)P/N 59-547 Nominal O.D. 0.52" (13.2 mm), maximum O.D. 0.56” (14.2mm)