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PRODUCT DATA SHEET: MODEL S550

Product Description



The IRIS Model S550 is a state-of-the-art flame monitor viewing head utilizing two types of detectors, an IR (infrared) solid state and UV (ultraviolet) tube. The S550 works with the latest version of the P520/P522 signal processors. Like other viewing heads in the S500 family of viewing heads, the S550 produces output pulse rates proportional to the flame signal strength; the pulse rates are displayed at the front panel of the signal processors. But, unlike the other members of the S500 family of viewing heads, certain parameters in the S550 viewing head (UV gain, IR gain and filter selection) can be selected or adjusted remotely from the front panel of the P520/P522 signal processors.

Once adjusted, the new parameters are stored in EEPROM in the signal processor. If power is removed from the signal processor, which powers the viewing head, and re-applied, the signal processor then automatically re-sends the stored parameters out to the S550 viewing head. In addition, at the front panel of the signal processors the operator may also select "CAL", a semi-automatic mode which will help to speed up the S550 setup. Thus, the S550 is a dual-sensor viewing head where the gain and filter selections are adjusted and stored remotely by the P520/P522 signal processors.

SPECIFICATIONS

ELECTRICAL	Input Power	24 VDC +10%, 300 mA
ENVIRONMENTAL	Sealing	Viewing Head NEMA TYPE 4
	Ambient Temperature	-40° F to 122° F (-40°C to +50°C)
	Case Temperature	-40° F to 140° F (-40°C to +60°C)
	With S580 Fiber Optics	-65° F to 572° F (-54°C to +300°C)
OPTICAL	Angle of View	IR 1.0°
		UV 3.0°
CABLE	Signal Processor to Viewing Head	4 conductor, #16AWG or #18AWG. One wire shielded with braided shield for flame signal such as IRIS Part Number C328 or C330
WEIGHT	Shipping weight	3 lbs (1.4 Kg.)
DIMENSIONS	Single Unit Weight	9 x 7 x 6 ½ inches
APPROVALS	The IRIS Model S550 Viewing Head has FM (Factory Mutual) approval, and CSA (Canadian Standards Association) Certification to US Standards (ANSI/UL) for Class I, Div 2, Groups A, B, C and D for Hazardous Location Applications, T5 Operating Temperature Ambient -40C to +70C, Enclosure type 4X.	