



PRODUCT DATA SHEET: MODEL P532



Product Description:

Introducing our Newest design in Flame Monitoring Technology, complete with multiple capabilities. The IRIS P532 uses a Dual Processor system to provide the ability to monitor up to Three viewing heads simultaneously. Front panel information is displayed by large, bright, three color alphanumeric dot matrix displays.

With Automatic Viewing Head detection, the P532 is also capable of monitoring UV and IR separately.

Each channel can be associated with Two sets of configuration data: Primary, or Alternate. The IRIS P532 is compatible with both RS422 and Modbus protocols. It has an automatic set up functionality whereby each channel can be configured automatically in one of three ways: *Auto Fit*, *Auto Sequence*, or *Auto Filter*.

ELECTRICAL	Input Power - AC Version	Main Power: 85 – 264 VAC, 47-63 Hz Battery: 24 VDC (voltage above 24 volt will be the power source)	
	Input Power - DC Version	Main Power: 24 VDC Battery: 24 VDC (power source is taken from the highest voltage)	
	Power	(DC unit tested at 100ms. sampling time)	13.2 Watts max. Average (including 3 view heads) 16.2 Watts max. Peak (including 3 heads in normal operation)
ENVIRONMENTAL	Ambient Temperature	-40° F - 140° F (-40° C to 60° C (FM) or 32° F - 125° F (0° C to 52° C) (CSA)	
	Humidity	Non-condensing Maximum 80% for temperatures below 88° F (31° C) Decreasing to 50% maximum at 104° F (40° C) and above	
	Vibration	+1 g at 10 to 150 Hz	
OUTPUTS	Flame Relay	3 channels of 2 Form C Contacts (DPDT)	Contact Rating 5A at 32 VDC and at 250 VAC
	Self-Check Relay	3 channels of 1 Form C Contact (SPDT)	
	Alarm Relays	3 channels of 1 Form A Contact (SPST-N.O.)	Contact Rating: 2 A at maximum 250 VDC or 230 VAC
	Analog Flame Signal	0 – 20 mA or 4 – 20 mA , 1000 ohm maximum resistance	
	Power To Viewing heads	100 mA (maximum average), 24 VDC (rated), Current limited to 200 mA	
	24v output	24-volt output 50 mA For Instrumentation use only Provided for use with Isolated Select	
INPUTS	Isolated Select	7.5 – 30 VDC., Input Resistance 3900 ohm	
	Aux Mode	Connect to ground only (WARNING: do not apply Power) ,Sources 1 mA at 5 VDC	
	Viewing head Signal (for 55x and 70x view heads)	26-Volt P-P Maximum 1 mA	
SERIAL COMMUNICATIONS RS-422 / 4 wire two twisted pair	Baud	38400, 19200, 9600 or 4800	
	Parity	None, Even or Odd	
	Protocol	Modbus (RTU)	
FLAME (No large Maximum flame signal will cause lost flame indication)	Maximum flame detector response time	5 seconds	
	Minimum flame detector self-checking rate	1 second	
	Maximum flame failure response time	2 to 4 seconds (adjustable)	
	Signal for presence of flame	Flame on set point (adjustable)	
	Signal for absence of flame	Flame off set point (adjustable)	
WEIGHT	Shipping Weight	2 lbs. (0.9Kg)	
DIMENSIONS	Single Unit Carton	7 ¾ x 7 ¼ x 4 ¾ inches	
APPROVALS	The IRIS Model P532 Signal Processor has FM (Factory Mutual) approval and CSA (Canadian Standards Association) certification.		