



IRIS Systems Inc.
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PRODUCT DATA SHEET: MODEL WATCHDOG II



Product Description

The IRIS Watchdog Flare Stack Pilot Monitor is an effective replacement or supplement to thermocouples or optical IR systems. It can be connected to an existing ignition system making the replacement of burned out thermocouples effortless. This can be done without plant shut down or flare interruption, saving you valuable time and money.

The IRIS Watchdog electro-optically monitors pilot and flare stack activity using an ultra surveillance indicating the presence or absence of a flame at the flame tip.

Two independent sets of dry contacts are standard, one giving an immediate response to a "flame loss" and the other giving an adjustable time-delayed response for a "flame-out" alarm.

The IRIS Watchdog's viewing head is ground mounted up to 1000 feet from the stack tip. This rugged, light weight, all weather aluminum enclosure is normally secured by a single 3/8" bolt and has a four wire connection. The electronics are designed with no moving parts to ensure continuous and maintenance-free operation.

FEATURES

ELECTRICAL	Input Power	115/230 VAC 60/50 Hz, 7W max.
		24 VDC Auto-switching, 7W max
ENVIRONMENTAL	Operating Temperature	-40° to 122° F (-40° to 55° C) (Contact IRIS for extended range)
	Viewing Head	Weather-tight General (Class 1, Div 2 Optional)
	Signal Processor	General
CABLE	processor to viewing head	10 ft. length standard. (Max. 250ft.)
ALARM RELAY OUTPUTS	Form C Response Rating	NO-NC, Immediate Response 1 sec to 60 sec, adjustable 10A 250VAC, 10A 250VDC
	Form C Response Rating	NO-NC, Time Delayed 1 sec to 60 sec, adjustable 10A 250VAC, 10A 250VDC
OUTPUT	Analog Output	4-20 mA Current Output, Continuous and Proportional
OTHER	Distance from Pilot	Up to 1000 ft
	Field of view	9 ft. diameter target at 1000 ft.

WEIGHT	Shipping Weight	
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DIMENSIONS	Single Unit Carton	18 x 12 x 11 inches
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APPROVALS	CSA Special Acceptance Certification is available on request for this product. Additional Charges will apply.	
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