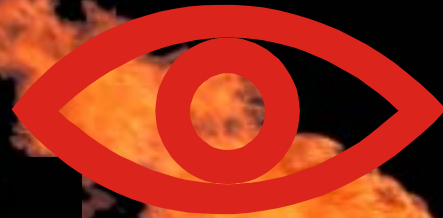


IRIS

Watchdog

Flare Stack Pilot Monitor

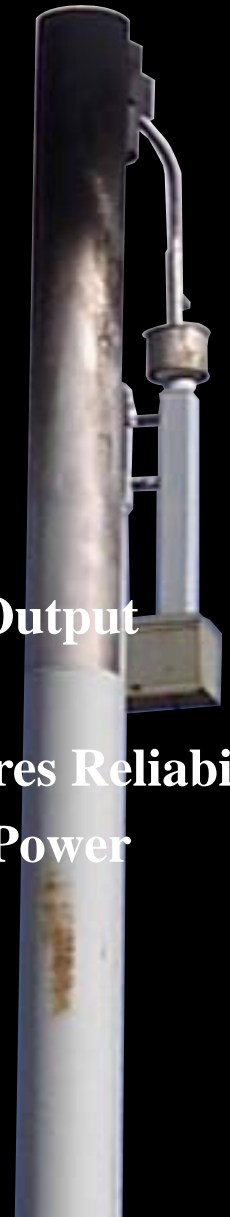


Guarding Against the Venting of Hazardous Gases

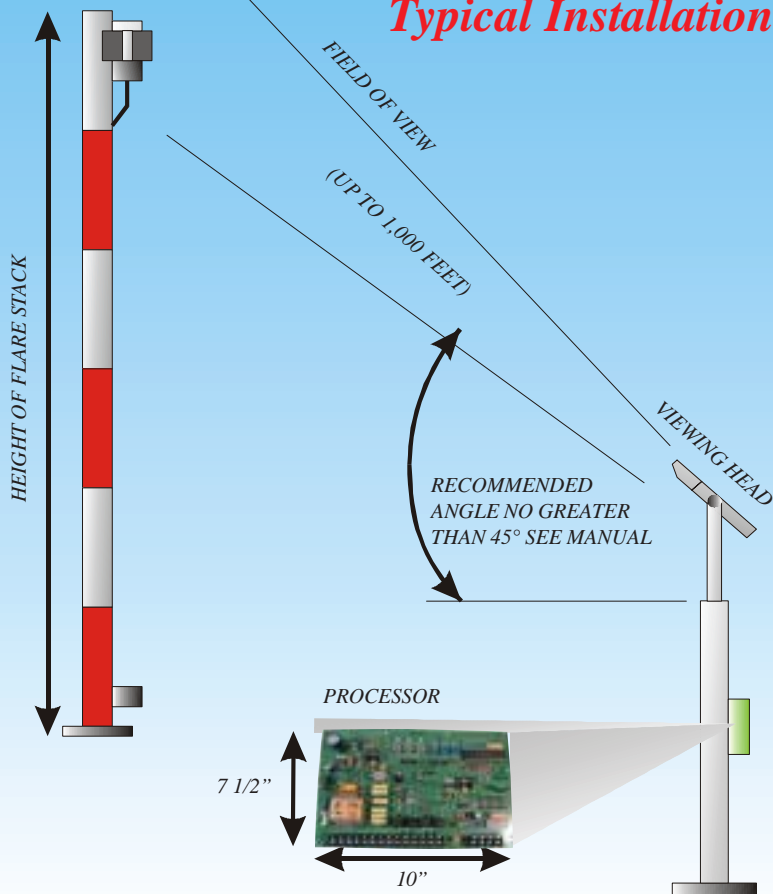
- 👁️ Monitors Pilot and Indicates Flaring
- 👁️ Continuous Surveillance
- 👁️ Easy to Install with no Plant Shutdown
- 👁️ Atmosphere Penetrating UV
- 👁️ Not Affected by the Sun
- 👁️ 1,000 ft. Range

Replaces or Supplements Thermocouples or IR Systems

- 👁️ Proportional 4-20mA Output
- 👁️ Ground Mounted
- 👁️ No Moving Parts Ensures Reliability
- 👁️ Light weight and Low Power
- 👁️ Built Rugged to Last



Watchdog Flare Stack Pilot Monitor Typical Installation



Let the IRIS Watchdog be your first line of defense to guard against the venting of hazardous gases. It can be connected to an existing ignition system making the replacement of burned out thermocouples effortless. This can be done without plant shutdown or flare interruption, saving valuable time, labor and money.

The IRIS Watchdog electro-optically monitors pilot and flare stack activity using an ultraviolet sensor. It provides continuous burner surveillance indicating the presence or absence of a flame. 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 five wire connection. The electronics are designed with no moving parts to ensure continuous and maintenance free operation. As well, the IRIS Watchdog's ultraviolet sensor is not affected by direct sunlight.

SPECIFICATIONS

DISTANCE FROM PILOT

Up to 1,000 ft.

FIELD OF VIEW

9 ft. diameter target at 1,000 ft.

OPERATING TEMPERATURE

Industrial Specifications: -40 to 122°F (-40 to 55°C)
Contact Factory for Extended Temperature Range

SIGHTING

Visible and Audible Aiming

VIEWING HEAD CABLE

10 ft. length Standard (max. 250 ft.)

LOCATION SPECIFICATION

Viewing head: Weather-tight General
Class 1, Div 2 Optional

Signal Processor: General

CERTIFICATION

CSA Special Acceptance

POWER REQUIREMENTS

115/230 Vac 60/50 Hz, 7W max.
24 Vdc Auto-switching, 7W max.

ALARM RELAY OUTPUTS

Form C: NO-NC, Immediate Response
Response: 1 sec. to 60 sec., adjustable
Rating: 10A 250 Vac
10A 30Vdc

Form C: NO-NC, Time Delay
Response: 2 sec. to 30 min., adjustable
Rating: 10A 250 Vac
10A 30Vdc

ANALOG OUTPUT

4-20mA Current Output
Continuous and Proportional

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