

TERRACENE INTERNATIONAL

FLARE GUARD MODEL 377

REMOTELY MOUNTED FLARE STACK MONITOR

IDEAL, ECONOMICAL SOLUTION FOR FAILED THERMOCOUPLES

USES INDUSTRY ACCEPTED UV TECHNOLOGY

DESIGNED FOR INSTALLATION IN HAZARDOUS LOCATIONS



- **Simplified one person installation requiring no plant down time**
- **Standard model comes with internal sighting optics**
- **High reliability, self checking UV detection system**
- **Correct operation confirmed by internal diagnostics, continuous 1 second updates reported at panel**
- **RS-485 data communication to plant control system**
- **Flare status, alarm, self check and current loop outputs**
- **No moving parts and does not require periodic detector calibration**

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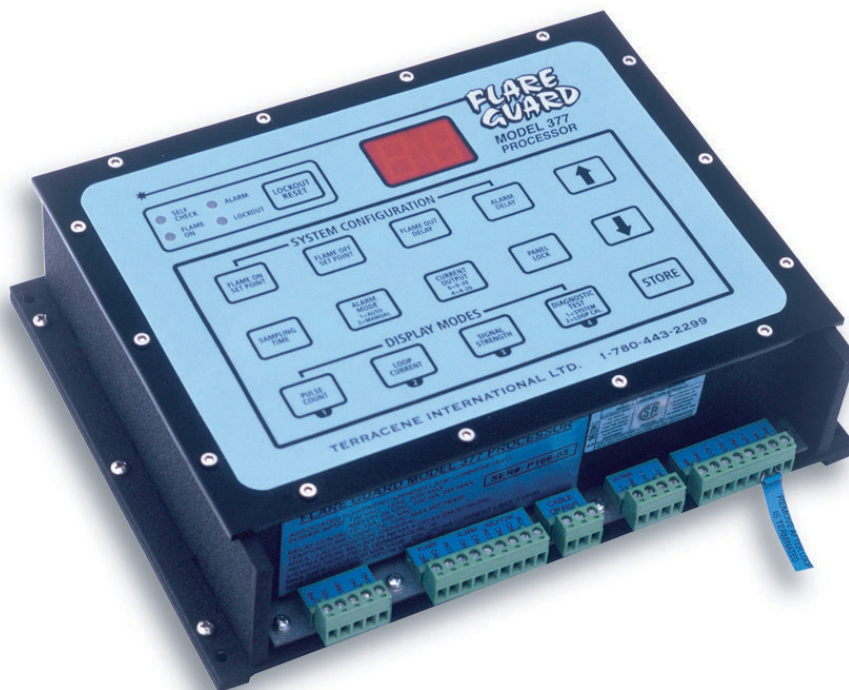
FLARE GUARD MODEL 377

The Flare Guard Model 377 is the best choice for flare monitoring and pilot confirmation. The M377 uses a combination of proven UV technology, detector self checking, auto-diagnostics, and data integrity verification to ensure reliable and safe operation.

The M377 is designed for installation in harsh industrial environments. The sturdy two axis mount, internal, sighting optics and standard features that minimize the time and cost of installation.

By scanning in a narrow portion of the UV band, the M377 provides higher signal to noise ratios than other detection technologies. Signatures from the sun and other stray sources of thermal energy are eliminated.

Contact Terracene International or an authorized Rep for installation diagrams or a model 377 manual.



System Specifications

Model 377 Viewing Head

Range:	Up to 1000 feet
Field of view:	9 foot target at 1000 feet
Sighting:	Internal targeting optics. Signal strength indicator
Detector:	UV, self checking
Power:	24 VDC, 200 ma max Supplied by remote Panel
Output:	RS-485, CRC encryption
Cable:	Armored, HL, FT4
Temperature:	-40C to +55C
Area Class:	General or HL CL1, DIV2
Installation:	Two axis base mounts on flat surface of 2" pipe.

Model 377 Remote Panel

Power:	120 or 230 VAC mains and/or 24 VDC Automatic selection of DC during mains failure
Input:	RS-485 data from Viewing Head
Outputs:	1) Three independent form c relays for self check flame, and alarm conditions 2) 4-20 ma or 0-20 ma current loop signal Proportional to pilot/flare intensity 3) RS-485 data to Plant DCS
Cable:	Armored, HL, FT4
Temperature:	-40C to +55C
Area Class:	General Area
Installation:	Mount in instrument room or NEMA 4 enclosure 4000 foot maximum length for low capacitance cable.



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