

# Model PS-2

## Economical Flammable Gas & Vapor Detector



The PS-2 Series is a multipurpose gas monitor using a MOS (metal oxide sensor) for long lasting and low maintenance detection at the LEL and ppm levels of many flammable gases and vapors. It is an effective solution for solvent monitoring around degreasers or other processes, hydrogen monitoring in battery rooms, natural gas detection in basements, and many other applications.

The PS-2 has two alarm levels that are activated with increasing gas or vapor levels. Each alarm activates a 12 amp relay with terminals for connecting external alarms or to activate an exhaust fan or other device.

This stand alone unit is housed in a durable plastic enclosure with flanges provided for wall mounting. There are easy access wiring hubs on the bottom of the unit. The front panel contains three lights; Pilot, Alarm 1, and Alarm 2. There is an internal 85 dB audible alarm that is activated with a gas alarm condition. The PS-2 is supplied with a gas sensor located at the end of a 30' cable (other cable lengths are available) and can be powered by 115 VAC or 24 VDC. The AC version is supplied with a 6' power cord.

**Note: The PS-2 is not explosion proof. The control box must be located outside the hazardous area.**

### Partial List of Detectable Gases

- Acetylene
- Acrylonitrile
- Butane
- Butadiene
- Butylene
- Cyclohexane
- Ethane
- Ethyl Alcohol
- Ethylene
- Ethyl Ether
- Gasoline
- Hexane
- Hydrogen
- Iso-butane
- Isopropyl Alcohol
- Methane
- Methylene Chloride
- Perchloroethylene
- Propane
- Propylene
- Propylene Oxide
- Toluene
- Trichloroethane
- Xylene

### Detectable Gases

The PS-2 and its MOS sensor effectively respond to a wide variety of hydrocarbons, flammable gases, and vapors. Alarms can be set for OSHA established TLV levels or LEL levels for flammable vapor warnings.

Since the PS-2 sensor is a general hydrocarbon sensor, it is not specific for any particular gas. This instrument will perform best if used in an area where there is the possibility that only a single gas or vapor contaminant will be present. If used in areas with multiple contaminants false alarms may occur.

### PS-2 Specifications

- Dimensions . . . . . 6.48" W x 6.85" H x 3.30" D
- Power . . . . . 115 VAC or 24 VDC
- Temp. Operating Range . . . . . 35° to 120° F
- Rel. Humidity . . . . . 10 to 95% Non-Condensing
- Outputs . . . . .
  - Two Relays – 12 amps Each
  - Audible – 85 dB
  - Visual – Alarm 1 Orange LED
  - Alarm 2 Red LED

### How to Order:

Model Number	Description
73-1020RK-01*	PS-2 for LEL detection, VDC powered
73-1020RK-02*	PS-2 for PPM detection, 24 VDC powered
73-1021RK-01*	PS-2 for LEL detection, 115 VAC powered
73-1021RK-02*	PS-2 for PPM detection, 115VAC powered

\* Specify gas or vapor to be detected when ordering.