



ISO9001:2000
Certified

Gas Detection Technology

Model PT500 Multi-Channel Controller

Features

- Up to 4 channel of continuous monitoring
- Programmable for Oxygen Deficiency, Combustible and several toxic gas sensors
- Sensor diagnostic features.
- 4 Alarm Relay Contacts
- Field Adjustable Alarm Levels
- Visual alarm LED indicators
- Large LC Display with back light



Description

Model PT500 is a microprocessor-based multi-channel controller that provides up to 4 channels of continuous gas detection. The controller is housed in a Nema 4X weatherproof enclosure. PT500 can be interfaced with any of Pem-Tech's toxic and combustible gas sensors. The controller provides a front panel user interface with alarm LED indicators and large LCD with backlight.

PT500 allows each channel to be programmed for sensor type and discrete alarm levels. Three programmable relays are provided. The alarm relays can be configured to activate on any of the 4 channel's alarm levels for use with external devices such as horn or beacon.

Model PT500 Multi-Channel Controller

Specifications

Enclosure

Corrosion resistant Nema 4X
Fiberglass with stainless steel
lockable latches.

Capacity

Up to 4 toxic and/or combustible gas
sensor connections.

Front Panel Indicators

- Alarm and Fault LED indicators
- Large 4 lines by 16 character LCD
module

Front Panel Switches

- Programming sensor type and alarm levels
- Alarm Reset and Bypass/Inhibit mode

Electrical Classification

General Purpose

Operating Temperature

-10°F to +150°F (-23°C to +65°C)

Operating Humidity

5% to 100% RH, non-condensing

Mechanical Specifications

Height: 12 inches (304 mm)
Width: 12 inches (304 mm)
Depth: 8 inches (203 mm)
Weight 12 Lbs. (5.4 Kg)

Approvals

CSA & UL pending

Input Power

115/230 VAC . Standard
18-28 VDC (Battery backup systems)

Power Consumption

120mA nominal @ 24 VDC
180mA max. with all alarm relays
active.
(Sensor power consumption not included)

Alarm Relays

3 fully programmable alarm relays and
a malfunction relay. Latching or non-
latching, normally open or normally-
closed contacts.

Relay Ratings

SPDT Form "C" type Relay contacts
5 Amps @ 250 VAC or 30 VDC

Pem-Tech, Inc.