



ISO9001:2000
Certified

Gas Detection Technology

Model PT750-XP (Explosion Proof Enclosure) Remote Annunciator

Features

- Large Graphic display with backlight (240 x 128 Pixels)
- Optional Historical data Logging with Real time clock calendar
- Digital 2 way communication with main control panel using RS485 Serial I/O
- Programmable sensor location or tags
- Relays contacts for Low, High and sensor fail alarms.
- Optional Wireless Radio Interface Module or Fiber Optics data converter for noisy environment.
- Reset / Bypass alarm of main control panel using front panel switches.



Description

Model PT750 Annunciator collects sensor data from the main control monitor. Communication is RS485 half duplex between the annunciator and the control panel using a single pair twisted data cable. Maximum length of the cable is 4000 feet. For noisy environment an optional Fiber Optics data converted is used to transmit and receive data over fiber optics cable. On board are 3 alarm relay contacts. The relays are activated whenever the main control panel is in alarm. Each channel can be programmed to have a sensor tag identifying the location of the sensor. Using the keypad switches on the front panel the alarms on the main control panel can be Reset or Bypassed.



Model PT750-XP Remote Annunciator

Specifications

Enclosure

Nema 7 Explosion Proof Enclosure with viewing window.
Class I Div 1 Hazardous Locations.

Operating Temperature

-50°C to +85°C

Operating Humidity

15% to 90% RH, non-condensing

Display

240 x 128 Pixels Graphic Display
With back light

Communication Ports

RS232 Serial port to program location tags. RS485 for communication with Control Panel

Enclosure Dimension

Length: 14 inches
Width: 14 inches
Height: 7 inches

Historical data Logging

Historical Alarm / Event Log with date and time stamp. Maximum of 300 Event log records. Data download to laptop computer using Windows Hyper Terminal utility

Optional Radio Interface Module

900 MHz Spread spectrum ratio for wireless communication

Other Options

Fiber Optics data converter for communication using fiber optics cable for noisy environment.

Alarm Relays

Three (3) Each Form "C" type relays
Rated at 5 Amps AC/DC

Input Power

18 - 28 Volts DC
Optional AC/DC power Supply

Power Consumption

< 2.5 Watts Nominal
3.5 Watts maximum

Serial Interface

RS-485 MODBUS RTU at 9600 Baud.

Pem-Tech, Inc.

12144 Dairy Ashford, Bldg # 2 • Sugar Land, Texas 77478 • USA
Ph: 281-494-2079 Fax: 281-494-2167
www.pem-tech.com Email: sales@pem-tech.com