

# GEN<sup>2</sup>

## OI-7432-X-32 Modbus Monitor

### 32 Channel Non-Explosion Proof Wired Modbus Monitor

The Otis Instruments OI-7432 Modbus ProSafe 4x32 is a 32-Channel Gas Controller that can communicate with up to 32 OI-6000 wired gas sensors by the use of RS-485 Modbus communication. The OI-7432 comes standard with DC power and can be configured with an AC power supply. The OI-7432 has four relays that can each be individually set up to the full scale gas reading and may be latching or non-latching. The OI-7432 used in conjunction with the OI-6000 sensor assembly allows for a quick and easy installation which leads to a safer working environment for you and your workers.



#### Product Features

- 32 Channel Wired Modbus Monitor
- 12 to 35 VDC Operating Voltage
  - Optional AC Power Supply
- Operating Temperature Range of  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
- Graphical LCD with LED Backlight
- 5 Push-Button Interface (MENU, ADD, SUB, SCAN/HOLD, and RESET/ESC)
- Four Individually Configurable Alarm Set-Points
  - Four Front Panel ALARM LED Indicators (Red)
  - Four Dry-Contact Relays (4 Amps Maximum per Relay)
- Status LEDs for Power and Fault
  - Multi Color Status Light
  - Amber Fault LED for Indicating System Faults
- Output Options:
  - Wet Contact DC Fault Terminal
  - Relay 4 Can Optionally be Configured as a Fault Relay
  - RS-485 Modbus
- 1-Year Limited Hardware Warranty
- Standard Fiberglass Enclosure with Clear Window



# OI-7432-X-32 Monitor

## 32 Channel Non-Explosion Proof Wired Modbus Monitor

<b>OI-7432 Product Specifications</b>	
Product Type	32 Channel Wired Modbus Gas Monitor
Power Type	Wired Power
Operating Voltage	12V to 35V DC
Current Draw	275 mA Maximum
Power Supply	6.25A (150W), 85/264V AC to 24V DC (Optional)
Protection	Power Electromagnetic Interference (EMI) Filter 4-20 mA Surge Suppression RS-485 Surge Suppression
Display Screen	160x104 Resolution Graphical LCD Screen Transflective (Sunlight Readable) with LED Backlight
Interface	5 Push-Buttons (MENU, ADD, SUB, SCAN/HOLD, and RESET/ESC)
T <sub>amb</sub> Temperature Range	-20°C to +70°C (-4°F to +158°F)
Wired (Digital) Input	Up to 32 Individual OI-6000 Series Wired Gas Detectors using RS-485 Modbus
Relays	4 Dry-Contact Relays with 4 Amp Replaceable Fuses Fault Terminal Option to Disable Alarm Relays Latching and Non-Latching Relay Settings
Product Compatibility	GEN II Wired Sensors (OI-6000, OI-6000K)
Enclosure Material	Non Explosion-Proof Fiberglass Enclosure w/ Clear Window
Product Dimensions	10 in. L x 8 in. W x 6 in. H (Max. Dimensions w/ Attachments)
Total Weight	8.5 lbs.
Product Mounting	4 Mounting Feet, 6 in. W x 12-1/4 in. T (Included) Maximum Mounting Bolt/Screw Size of 5/16 in. (8mm) Diameter
Hardware Warranty	1-Year, Limited
Part Number Formula	OI-7432-[Power]-32 OI-7432-X-32