

OI-7432-X-32 Modbus Monitor

The Otis Instruments OI-7432 Modbus Controller is a versatile and reliable control unit designed to communicate with up to 32 OI-6000 wired gas sensors via RS-485 Modbus communication. Engineered for easy integration, the OI-7432 offers AC power operation, customizable relays, and efficient safety management for industrial environments.

Key Features:

- **Seamless Sensor Integration:** Supports up to 32 OI-6000 wired gas sensors, allowing for comprehensive monitoring of toxic and combustible gases through a centralized control unit.
- **Reliable Communication:** Utilizes RS-485 Modbus communication, providing robust and stable data transmission across sensor networks, enhancing safety and efficiency.
- **AC Power Operation:** Designed for reliable performance with AC power supply, ensuring consistent functionality in industrial applications.
- **Configurable Relays:** Equipped with four relays, each individually programmable to full-scale gas readings, with latching and non-latching modes available to meet specific safety requirements.
- **User-Friendly Installation:** When used with the OI-6000 sensor assembly, the OI-7432 enables quick setup, minimizing installation time and reducing labor costs.
- **Enhanced Workplace Safety:** By providing real-time gas detection data and automatic alarm activation, the OI-7432 contributes to a safer working environment for personnel and equipment.

Ideal For:

- Industrial safety systems
- Environmental monitoring
- Process control environments
- Manufacturing and production facilities

The Otis Instruments OI-7432 Modbus Controller combines advanced communication technology, customizable safety features, and ease of installation, delivering a comprehensive solution for enhancing safety and maintaining compliance in industrial gas detection applications.



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32 Channel Non-Explosion Proof Wired Modbus Monitor

Product Specifications	
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 _{amb} 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 Daisy Chain
Relays	4 Dry-Contact Relays with 4 Amp Replaceable Fuses Fault Terminal Option to Disable Alarm Relays
Product Compatibility	GEN II Wired Sensors (OI-6000, OI-6400)
Enclosure Material	Non Explosion-Proof Fiberglass Enclosure w/ Clear Window
Product Dimensions	10 in. L x 8 in. W x 6 in. H
Total Weight	8.5 lbs.
Product Mounting	4 Mounting Feet, 6 in. W x 12-1/4 in. T (Included)
Hardware Warranty	1-Year, Limited
Part Number Formula	OI-7432-[Power]-32

GEN²