

## OI-7432

The Otis Instruments OI-7432 Modbus Controller is a reliable control unit designed to interface with up to 32 OI-6000 wired gas sensors via RS-485 Modbus daisy chain communication, providing centralized monitoring and control for industrial safety systems.

### Key Features:

- **Sensor Integration:** Supports up to 32 OI-6000 wired sensors
- **Modbus Communication:** RS-485 for stable, efficient data transmission
- **AC Powered:** Consistent performance for industrial applications
- **Configurable Relays:** Four programmable relays with latching and non-latching options
- **Easy Installation:** Streamlined setup when paired with OI-6000 assemblies

### Applications:

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

The OI-7432 delivers dependable communication, flexible control, and efficient integration for enhanced gas detection and workplace safety.



# 32 Channel Modbus Controller

## Product Specifications

Product Type	32 Channel Wired Modbus Controller (64 channel available upon request)
Operating Voltage	120/240V AC
Current Draw	275 mA Maximum for Controller only
Protection	Power Electromagnetic Interference (EMI) Filter 4-20 mA Surge Suppression RS-485 Surge Suppression
Display Screen	160 x 104 Resolution Green Backlit Graphical LCD Screen
Interface	5 Push-Buttons (MENU, ADD, SUB, SCAN/HOLD, and RESET/ESC)
Customizable Settings	Option to Disable Alarm Relays
T <sub>amb</sub> Temperature Range	-20°C to +70°C
Wired (Analog) 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 Individually Set Full Scale, Normally Open or Normally Closed, Latching or Non-Latching Fault Terminal
Digital Output	RS-485 Modbus
Product Compatibility	Otis Instruments GEN II OI-6000, OI-6200 and OI-6400
Enclosure Material	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	Limited one year
Part Number Formula	OI-7432-[Power]-[Number of Channels (32 or 64)] OI-7432-AC-32