

GEN²



OI-7500-X-XP-X WireFree Monitor

32 Channel Explosion Proof WireFree Monitor

The Otis Instruments OI-7500 Controller is a 32-Channel Gas Monitor with 3 Relays that can monitor up to 32 GEN II WireFree Gas Detectors simultaneously. The OI-7500 comes standard with DC power and can be configured with an AC power supply. The three relays can be configured to activate up to the full scale reading reported and set to be either latching or non-latching. The OI-7500 is housed in an explosion-proof enclosure which allows for the safe and close-proximity installation of the monitor in potentially hazardous locations. The ability of the OI-7500 to be positioned in hazardous environments provides for immediate determination of gas levels for safe entry onsite.



Product Features

- 32 Channel GEN II WireFree Monitor
- 12 to 35 VDC Operating Voltage
 - Optional AC Power Supply
- Operating Temperature Range of -40°C to +70°C
- Graphical LCD with LED Backlight
- 3 Push-Button Interface (MENU, ADD, and SUB)
 - 3 Corresponding Non-Intrusive Magnetic Switches
- GEN II 900 MHz or GEN II 2.4 GHz Radio
- Three Individually Configurable Alarm Set-Points
 - Three Front Panel ALARM LED Indicators (Red)
 - Three Dry-Contact Relays (4 Amps Maximum per Relay)
- Output Options:
 - Wet Contact DC Fault Terminal
 - Relay 3 Can Optionally be Configured as a Fault Relay
- 1-Year Limited Hardware Warranty
- Aluminum Explosion Proof Enclosure
 - Class I, Division 1, Groups B, C & D



OI-7500 WireFree Monitor

32-Channel Explosion Proof WireFree Monitor

OI-7500 Product Specifications	
Product Type	32 Channel Gas Monitor
Operating Voltage	12V to 35V DC
Current Draw	275 mA Maximum
Power Supply	3.13A (75W), 85/264V AC to 24V DC (Optional)
RF Connection	External N-Female Radio Frequency (RF) Connector
Protection	Power Electromagnetic Interference (EMI) Filter
Display Screen	128x64 Resolution Graphical LCD Screen Transflective (Sunlight Readable) with LED Backlight
Interface	3 Push-Buttons (MENU, ADD, and SUB)
Customizable Settings	3 Individually-Configurable Alarm Set-Points Per Channel Option to Disable Alarm Relays Latching and Non-Latching Relay Settings
T _{amb} Temperature Range	-40°C to +70°C (-40°F to +158°F)
WireFree (Digital) Input	Up to 32 GEN II WireFree (Digital) Sensor Inputs
Relays	3 Dry-Contact Relays with 4 Amp Replaceable Fuses Fault Terminal
Product Compatibility	GEN II WireFree Sensors (OI-6000, OI-6900, OI-6940) GEN II WireFree Transmitters (OI-5900, OI-5950)
WireFree Radio Options	GEN II 900 MHz Radio or GEN II 2.4 GHz Radio
Networks	52 Networks (GEN II 900 MHz Radio) 78 Networks (GEN II 2.4 GHz Radio) 255 Addresses per Network
Enclosure Material	Aluminum Device Enclosure
Product Dimensions	8 in. L x 8 in. W x 4 in. H (Max. Dimensions w/ Attachments)
Total Weight	12.8 lbs.
Hazardous Location Certifications and Approvals	Class I, Groups B, C, and D Class II, Groups E, F, and G ABS Design Assessed
Hardware Warranty	1-Year, Limited
Part Number Formula	OI-7500-[Power]-XP-[Radio] OI-7500-X-XP-X

