OI-7530-A Wirefree Relayer

The Otis Instruments OI-7530 Explosion Proof Relayer by Otis Instruments is an explosion-proof wireless relay and alarm system, purpose-built to integrate seamlessly with the Otis Instruments Gen II WireFree product line. Designed for hazardous environments, the OI-7530 offers robust safety monitoring and reliable alarm management for industrial applications.

Key Features:

- Comprehensive Sensor Monitoring: Supports up to 32 sensor assemblies via wireless communication, utilizing 900MHz or 2.4GHz radios for reliable data transmission.
- Explosion-Proof Design: The rugged enclosure meets explosion-proof standards, allowing safe deployment in hazardous locations and classified environments.
- Versatile Output Options: Includes Modbus RS-485 communication and three dry-contact relays, providing flexible integration with external systems and alarm devices.
- Secondary Relay and Alarm System: Acts as a secondary layer of safety, delivering critical alerts and enhancing safety protocols within complex gas detection networks.
- Seamless Integration: Designed specifically for use with the Otis Instruments Gen II WireFree product line, offering easy installation and configuration.

Ideal For:

- Oil and gas facilities
- Chemical processing plants
- Industrial safety systems
- Hazardous locations and classified areas

The Otis Instruments Gen II WireFree Relayer OI-7530 combines explosion-proof safety, wireless communication, and advanced alarm management, providing enhanced safety monitoring and operational reliability in demanding environments.

32-Channel Explosion Proof WireFree Relayer

Product Specifications	
Product Type	32 Channel Gas Relayer
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
Interface	3 Push-Buttons (MENU, ADD, and SUB) 3 Magnetic Non-Intrusive Switches (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)
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
Hardware Warranty	1-Year, Limited
Part Number Formula	OI-7530-[Radio]-[Power Supply]-A OI-7530-X-X-A