

GEN²



OI-9900-X WireFree Repeater

Explosion Proof WireFree Signal Repeater

The Otis Instruments OI-9900 WireFree Repeater™ is a device that receives transmissions from a GEN II WireFree sensor or switcher and repeats the transmission to its corresponding monitor or controller within the WireFree network. This functionality enables greater distances and more reliable communication between the gas detector and the gas monitor.

Product Features

- 255 Channel WireFree Repeater
 - All Addresses on Configured Network
- 12 to 35 VDC Operating Voltage
- Operating Temperature Range of -40°C to $+60^{\circ}\text{C}$
- Graphical LCD with LED Backlight
- 3 Push-Button Interface (MENU, ADD, and SUB)
- GEN II 900 MHz or GEN II 2.4 GHz Radio Standard
- Individually Configurable Low and High Alarm Set-Points per Channel
- 1-Year Limited Hardware Warranty
- Explosion Proof Aluminum Enclosure
 - Class I, Division 1, Groups C & D



Product Specifications	
Product Type	Signal Repeater/Extender
Power Type	Wired Power
Operating Voltage	12V to 35V DC
Current Draw	150 mA Maximum at 24VDC
RF Connection	2 External N-Female Radio Frequency (RF) Connectors
Protection	Power Electromagnetic Interference (EMI) Filter
Display Screen	102x64 Resolution Graphical LCD Screen Transflective (Sunlight Readable) with LED Backlight
Interface	3 Magnetic Push-Buttons (MENU, ADD, and SUB)
T _{amb} Temperature Range	-40°C to +60°C (-40°F to +140°F)
WireFree (Digital) Input	All 255 Addresses on the Configure Network
Product Compatibility	All Otis GEN II WireFree Sensors
WireFree Radio Options	Two GEN II 900 MHz (200 mW) Radios or Two GEN II 2.4 GHz (125 mW) Radios
Networks	52 Networks (GEN II 900 MHz Radios) 78 Networks (GEN II 2.4 GHz Radios) 255 Addresses per Network
Enclosure Material	Otis Blue Aluminum Enclosure
Product Dimensions	5.42 in. L x 6.03 in. W x 12.16 in. H (Max. Dimensions w/ Attachments)
Total Weight	7.5 lbs.
Hazardous Location Certifications and Approvals	Class I, Division 1, Groups C and D
Hardware Warranty	1-Year, Limited
Part Number Formula	OI-9900-[Radio]-O OI-9900-X-O

