

# GEN<sup>2</sup>

# OTIS

## OI-7543-6-X-X-I WireFree Monitor

### 6 Channel WireFree Gas Monitor

The Otis Instruments OI-7543 Six Channel Gas Monitor with 3 Dry Contact Relays can monitor up to 6 individual GEN II WireFree Gas Detectors and Transmitters. RS-485 Modbus output allows for data communication to a PLC or other system monitoring device. Available with an optional WirelessHART® module that allows the received sensor readings to be viewable on a WirelessHART® network.

**WirelessHART®**  
Certified



### Product Features

- 6 Channel Monitor - Can Monitor Up to 6 GEN II WireFree Sensors
- 24 VDC Operating Voltage with an Optional AC Power Supply
- Operating Temperature Range of -40°C to +70°C
- Graphical LCD with LED Backlight
- Radio Options: GEN II 900 MHz or GEN II 2.4 GHz Radio Standard
- 3 Individually Configurable Alarm Set-Points: Three Red LED ALARM Indicators; Three Dry-Contact Relays (4 Amps Maximum per Relay)
- Status Indicator for Fault Conditions: Amber LED Indicator for System Faults
- Output Options: Wet Contact DC Fault Terminal, Relay 3 Can Optionally Be Configured as a Fault Relay, RS-485 Modbus or Optional WirelessHART®
- Standard Fiberglass Enclosure with Clear Lid
- 1-Year Limited Hardware Warranty



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# OI-7543-6-X-X-I WireFree Monitor

6 Channel WireFree Gas Monitor

## OI-7543-6-X-X-I Product Specifications

Product Specifications	
Product Type	Gas Monitor
Power Type	Wired Power
Operating Voltage	12V to 35V DC
Current Draw	275 mA Maximum
Power Supply	3.13A (75W), 85/264V AC to 24V DC (Optional)
Protection	Power Electromagnetic Interference (EMI) Filter
Product Compatibility	Any Otis GEN II WireFree Sensor
Display Screen	128x64 Resolution Graphical LCD Screen Transflective (Sunlight Readable) with LED Back Light
Interface	3 Push-Buttons (MENU, ADD and SUB) 3 Magnetic Non-Intrusive Switches
T <sub>amb</sub> Temperature Range	-40°C to +70°C (-40°F to +158°F)
WireFree (Digital) Input	Up to 6 GEN II WireFree Sensor Inputs
Output	RS-485 Modbus Optional WirelessHART® Module (Disables RS-485 Modbus Output)
Relays	3 Dry-Contact Relays with 4 Amp Replaceable Fuses Wet Contact Fault Terminal 3 Individually-Configurable Alarm Set-Points per Channel Latching and Non-Latching Relay Settings per Channel
WireFree Radio Options	GEN II 900 MHz Radio 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	Fiberglass Enclosure with Clear Window
Product Dimensions	8 in. L x 8 in. W x 4 in. H (Max. Dimensions with Attachments)
Total Weight	12.8 lbs.
Hardware Warranty	1-Year, Limited
Optional WirelessHART® Kit	OI-HART-KIT - WirelessHART® Module with 2.4 GHz External Antenna
Part Number Formula	OI-7543-6-[Radio]-[Power]-[Enclosure] OI-7543-6-X-X-I

