

# GEN<sup>2</sup>

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

### Six Channel GEN II WireFree Gas Monitor

The Otis Instruments OI-7543-6 six channel Gas Monitor with 3 Dry Contact Relays can monitor up to 6 individual GEN II WireFree Gas Detectors and Transmitters. An RS-485 Modbus output allows for data communication to a PLC or other system monitoring device. The OI-7543-6 is available with an optional *WirelessHART*® module that allows the received sensor readings to be viewable on a *WirelessHART*® network. Standard DC or optional AC power options make this monitor a great addition to your gas detection network.

#### Product Features

- 6 Channel Monitor
  - GEN II WireFree Sensors
- 24 VDC Operating Voltage
  - Optional AC Power Supply
- Operating Temperature Range of -40°C to +70°C
- Graphical LCD Screen with LED Backlight
- GEN II 900 MHz or GEN II 2.4 GHz Radio Standard
- Three 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*®
- 1-Year Limited Hardware Warranty
- Standard Fiberglass Enclosure with Clear Lid



## WirelessHART®

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#### OI-7543-6 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
Display Screen	128x64 Resolution Graphical LCD Screen Transflective (Sunlight Readable) with LED Backlight
Interface	3 Push-Buttons (MENU, ADD, and SUB) 3 Magnetic Non-Intrusive Switches
Output	RS-485 Modbus Optional WirelessHART® Module (disables RS-485 Modbus Output)
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
Relays	3 Dry-Contact Relays with 4 Amp Replaceable Fuses Wet Contact Fault Terminal 3 Individually-Configurable Alarm Set-Points/Channel Latching and Non-Latching Relay Settings/Channel
Product Compatibility	Any Otis GEN II WireFree Sensor
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	Fiberglass Enclosure w/ Clear Window
Product Dimensions	8 in. L x 8 in. W x 4 in. H (Max. Dimensions w/ Attachments)
Total Weight	12.8 lbs.
Hardware Warranty	1-Year, Limited
Part Number Formula	OI-7543-6-[Radio]-[Power]-[Enclosure] OI-7543-6-X-X-I
Optional WirelessHART® Kit	OI-HART-KIT — WirelessHART® Module with 2.4 GHz external antenna

