



### Features

- 32 Channel Hybrid Monitor - Supports WireFree and Up to 4 Wired Sensors
- 12 to 35 VDC Operating Voltage with Optional AC Power Supply
- Operating Temperature Range of  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
- 5 Push-Button Interface (ADD, MENU, SUB, SCAN/HOLD and RESET/ESC)
- Two Graphical LCDs with LED Back Lights
- Radio Options: GEN II 900 MHz, GEN II 2.4 GHz Standard; GEN I 900 MHz Radio Can Also Be Installed
- 4 Individually Configurable Alarm Set-Points - Four Front Panel ALARM LED Indicators (Red); 4 Dry-Contact Relays (4 Amps Maximum per Relay)
- Status LEDs for Power and Fault - Multi-Color Status Light; Amber Fault LED for Indicating System Faults
- Output Options: Wet Contact DC Fault Terminal, Relay 4 Can Optionally Be Configured as a Fault Relay, RS-485 Modbus
- Standard Fiberglass Enclosure with Clear Window; Optional Stainless-Steel Enclosure with Clear Window

The Otis Instruments OI-7010 Controller is a Hybrid Monitor that supports up to 32 WireFree Sensor inputs. Four of the channels can be setup for 4-20 mA wired input, making the controller compatible with both WireFree and wired sensors. Durable, flexible and customizable, this controller can operate in conjunction with either GEN I or GEN II sensors.

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# OI-7010 Monitor

Specifications Product	
Product Type	32 Channel Gas Monitor
Operating Voltage	12V to 35V DC
Current Draw	275 mA Maximum at 24 VDC
Power Supply	3.13A (75W), 85/264V AC to 24V DC (Optional)
Antenna Connection	External N-Female Radio Frequency (RF) Connector
Customizable Settings	Option to Disable Alarm Relays
Protection	Power Electromagnetic Interference (EMI) Filter 4-20 mA Surge Suppression RS-485 Surge Suppression
Display Screen	2 Graphical LCD Screens with 128x64 Resolution Transflective (Sunlight Readable) with LED Back Light
Interface	5 Push-Buttons (MENU, ADD, SUB, SCAN/HOLD and RESET/ESC)
T <sub>amb</sub> Temperature Range	-40°C to +70°C (-40°F to +158°F)
WireFree (Digital), Wired (Analog) Input	Up to 32 WireFree Sensor Inputs, Up to 4 Can Be 4-20 mA Wired Analog Inputs
Relays	4 Dry-Contact Relays with 4 Amp Replaceable Fuses Individually Set Full Scale, Normally Open or Normally Closed, Latching or Non-Latching and Fault Terminal
Digital Output	RS-485 Modbus
Product Compatibility	All Otis GEN I and GEN II WireFree Products and Any Wired 4-20 mA Sensors
WireFree Radio Options	GEN II 900 MHz Radio GEN II 2.4 GHz Radio GEN I 900 MHz 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 (Available in Stainless-Steel)
Product Dimensions	10 in. L x 8 in. W x 6 in. H (Max. Dimensions with Attachments)
Total Weight	8.20 lbs.
Product Mounting	4 Mounting Feet, 6 in. W x 12-1/4 in. T (included) Maximum Mounting Bolt/Screw Size of 5/16 in. (8mm) Diameter
Hardware Warranty	1-Year, Limited
Part Number Formula	OI-7010-[Power]-[Radio]-A4-32-[Enclosure] OI-7010-X-X-A4-32

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