

OI-7010-A4-32 Hybrid Monitor



The Otis Instruments Model OI-7010 Controller is a versatile hybrid monitor designed to support up to 32 WireFree sensor inputs, offering seamless integration with both wireless and wired gas detection systems. With flexible power options and broad compatibility, the OI-7010 serves as a central component of a comprehensive gas detection solution.

Key Features:

- **Hybrid Sensor Compatibility:** Supports up to 32 WireFree sensor inputs, with 4 channels configurable for 4-20 mA wired inputs, ensuring compatibility with both WireFree and wired sensors.
 - **Flexible Power Options:** Standard DC power operation with the option to configure with an AC power supply for increased adaptability to various installation environments.
 - **Enhanced Connectivity:** With the addition of a GEN I radio, the OI-7010 is capable of communicating with GEN I and GEN II sensors, providing greater flexibility in system design.
- Durable and Customizable:** Built to withstand demanding conditions, the OI-7010 offers customizable settings to meet specific application requirements.

Ideal For:

- Industrial safety systems
- Environmental monitoring
- Commercial gas detection networks
- Mixed sensor environments

The Otis Instruments Model OI-7010 Controller, combined with Otis sensors, delivers a reliable, robust, and efficient gas detection system, providing superior safety monitoring and operational flexibility.

32 Channel Non-Explosion Proof Hybrid Monitor

Product Specifications	
Product Type	32 Channel Gas Monitor
Power 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
Protection	Power Electromagnetic Interference (EMI) Filter 4-20 mA Surge Suppression RS-485 Surge Suppression
Display Screen	2 Graphical LCD Screens with 128x64 Resolution
Interface	5 Push-Buttons (MENU, ADD, SUB, SCAN/HOLD, and RESET/ESC)
Customizable Settings	Option to Disable Alarm Relays
T _{amb} Temperature Range	-40°C to +70°C
WireFree (Digital)	Up to 32 WireFree Sensor Inputs, of which 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 II WireFree Products and Any Wired 4-20 mA Sensors
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 w/ Clear Window
Product Dimensions	10 in. L x 8 in. W x 6 in. H (Max. Dimensions w/ 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	Limited one year
Part Number Formula	OI-7010-[Power]-[Radio]-A4-32 OI-7010-X-X-A4-32

