

## OI-7010 Hybrid Controller

The Otis Instruments Model OI-7010 Controller is a hybrid primary monitor supporting up to 32 WireFree sensor inputs, enabling seamless integration of wireless and wired gas detection systems.

### Key Features:

- **Hybrid Compatibility:** Supports up to 32 WireFree sensors, with 4 configurable 4–20 mA wired inputs.
- **Flexible Power:** Comes standard with an AC power supply, can be disconnected for DC operation
- **Alarms & Output:** 4 dry contact relays and Modbus RS485 output
- **Rugged & Configurable:** Built for demanding environments with customizable settings

### Applications:

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

The OI-7010 delivers reliable, flexible gas detection with broad compatibility for diverse applications.



# 32 Channel Hybrid Controller

## Product Specifications

Product Type	32 Channel Controller (64 Channel Available)
Power Operating Voltage	12V to 35V DC
Current Draw	275 mA Maximum at 24 VDC for Controller only
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 Transflective (Sunlight Readable) with LED Backlight
Interface	5 Push-Buttons (MENU, ADD, SUB, SCAN/HOLD, and RESET/ESC)
Customizable Settings	Option to Disable Alarm Relays
T <sub>amb</sub> Temperature Range	-40°C to +70°C
WireFree (Digital) and Wired (Analog) Input	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	6.5" D x 10" W x 21" 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 (unit comes standard as 32 channel unless specified) OI-7010-X-X-A4-32