

OI-7032 Data Logging Controller

The Otis Instruments Model OI-7032 Controller is a hybrid touchscreen data logging primary monitor supporting up to 32 WireFree sensor inputs, enabling seamless integration of wireless and wired gas detection systems. Built-in data logging and analytics provide enhanced visibility into site performance and safety conditions.

Key Features:

- **Hybrid Compatibility:** Supports up to 32 WireFree sensors with 4 configurable 4–20 mA inputs
- **Data Logging & Analytics:** Enables trend analysis and operational insights
- **Touchscreen Interface:** Intuitive access to system data, settings, and diagnostics
- **Rugged & Configurable:** Designed for industrial environments with flexible customization

Applications:

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

The OI-7032 delivers a reliable, data-driven solution for flexible and efficient gas detection.



32 Channel Data Logging Controller

Product Specifications

Product Type	32 Channel Controller (64 Channel available)
Power Operating Voltage	24 VDC
Current Draw	275 mA Maximum at 24 VDC
Power Supply	6.25 A (150W), 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	800 x 480 Resolution 7 in. Resistive Touchscreen
Interface	Touchscreen
Customizable Settings	Option to Disable Alarm Relays
T _{amb} Temperature Range	-20°C to +54°C
WireFree (Digital) and Wired (Analog) Input	Up to 64 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 12" W x 23" H (Max. Dimensions w/ Attachments)
Total Weight	12.15 lbs.
Product Mounting	4 Mounting Feet, 8 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-7032-[Power]-[Radio]-A4-[32 or 64] (unit comes standard as 32 channel unless specified) OI-7032-X-X-A4-32