



32 CHANNEL NON-EXPLOSION PROOF HYBRID MONITOR

LEADERS IN GAS DETECTION

Since 1977

OI-7010



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°C to + 70°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 or 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-Colour 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
- NEMA 4X Standard Fiberglass Enclosure with Clear Window; Optional Stainless-Steel Enclosure with Clear Window

Applications:

- Blast Mining
- Petrochemical plants
- Refineries
- Water & wastewater treatment plants
- Gas, telephone & electric utilities
- Manufacturing facilities
- Laboratories

The 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 customisable, this controller can operate in conjunction with either GEN I or GEN II sensors.

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Product Type	32 Channel Gas Monitor
Operating Voltage	12V to 35V DC or 120V AC
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)
Temp Temperature Range	-40°C to +70°C
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 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 Product Dimensions	NEMA 4X Fiberglass Enclosure with Clear Window (Available in Stainless-Steel) 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