

# GEN<sup>2</sup>

# OTIS

## OI-7420-X-2 Wired Monitor

### 2 Channel Non-Explosion Proof Wired Monitor

The Otis Instruments OI-7420 ProSafe 4x2 Controller is a wired monitor that supports up to 2 individual 4-20 mA wired sensor assemblies. Four relays can be individually set up to the full scale of the channel and may be set to either latching or non-latching. Compatible with any wired device with a 4-20 mA output, allowing more than just gas detection to be displayed and monitored for a safer working environment.



### Product Features

- 2 Channel Wired Monitor - Supports Any 4-20 mA Wired Sensor
- 12 to 35 VDC Operating Voltage with an Optional AC Supply
- Operating Temperature Range of -40°C to +70°C
- Graphical LCD with LED Backlight
- 4 Push-Button Interface (ADD, MENU, SUB and RESET/ESC)
- 4 Individually Configurable Alarm Set-Points: Four Front Panel ALARM LED Indicators (Red); 4 Dry-Contact Relays (4 Amp 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
- NEMA 4X Standard Fiberglass Enclosure with Clear Lid
- 1-Year Limited Hardware Warranty



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### OI-7420-X-2 Product Specifications

Product Specifications	
Product Type	2 Channel Wired Gas Monitor
Power Type	Wired Powered
Operating Voltage	12V to 35V DC or 120V AC
Current Draw	225 mA Maximum
Power Supply	3.125A (150W), 85/264V AC to 24V DC (Optional)
Output (Digital)	RS-485 Modbus
Protection	Power Electromagnetic Interference (EMI) Filter 4-20 mA Surge Suppression RS-485 and RS-232 Surge Suppression
Display Screen	160x104 Resolution Graphical LCD Screen Transflective (Sunlight Readable) with LED Backlight
Interface	4 Push-Buttons (MENU, ADD, SUB and RESET/ESC)
T <sub>amb</sub> Temperature Range	-40°C to +70°C
Wired (Analog) Input	Up to 2 Wired 4-20mA (Analog) Inputs
Product Compatibility	Any Otis Wired Sensor (OI-617, OI-675, OI-6000, OI-6000K) 3rd Party Wired (Analog) Sensors
Relays	4 Dry-Contact Relays with 4 Amp Replaceable Fuses Fault Terminal Option to Disable Alarm Relays Latching and Non-Latching Relay Settings Individual Set Per Channel
Enclosure Material	NEMA 4X Fiberglass Enclosure with Clear Window
Product Dimensions	8 in. L x 8 in. W x 4 in. H (Max. Dimensions with Attachments)
Total Weight	8.15 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-7420-[Power]-2 OI-7420-X-2