7200 PLUS AND 7400 PLUS CONTROLLERS

MULTICHANNEL GAS MONITORING SYSTEM

THE SCOTT SAFETY 7200 PLUS AND 7400 PLUS

CONTROLLERS are designed to provide simultaneous display and alarm functions for up to four monitored variables. A graphic LCD displays monitored data as bar graphs and engineering units. Three adjustable alarm levels are provided per channel. Relay outputs allow control of beacons, horns and other alarm events.

The controllers are easy to configure and are user friendly. Measurement ranges in engineering units, adjustable alarm set-points, optional serial interfaces and many other features offer flexibility to meet most demanding applications.

The controllers utilise NEMA 4X rated enclosures and are CSA certified to CSA C22.2 No. 152 for combustible detection and Class I, Division 2, Groups A, B, C and D hazardous locations. An optional RS-485 MODBUS® slave port allows up to 128 controllers to be multidropped onto a single data highway for interrogation by another MODBUS master.

Other 7200 Plus options include six 5 amp SPDT discrete alarm relays per channel, 4 to 20 mA outputs and light stacks. Nonvolatile memory retains all configuration data indefinitely.

Industry Applications Include:
- Petrochemical Oil and Gas
- Food and Beverage
- Pulp and Paper
- Water and Wastewater Treatment

PRODUCT FEATURES

- Centralised Graphic Display and Alarm Controller

- Seamless Upgrade for Current Loop and Direct Catalytic Bead Detectors

- MODBUS Interfacing and Output Relay Options for Any Environment

- Compatibility with Scott Safety's Full Array of Gas Detection Transmitters and Detectors

- Hazardous Location Approval for Class I, Division 2 Applications

SCOTT SAFETY

7200 PLUS AND 7400 PLUS CONTROLLERS

MULTICHANNEL GAS MONITORING SYSTEM

SYSTEM SPECIFICATIONS

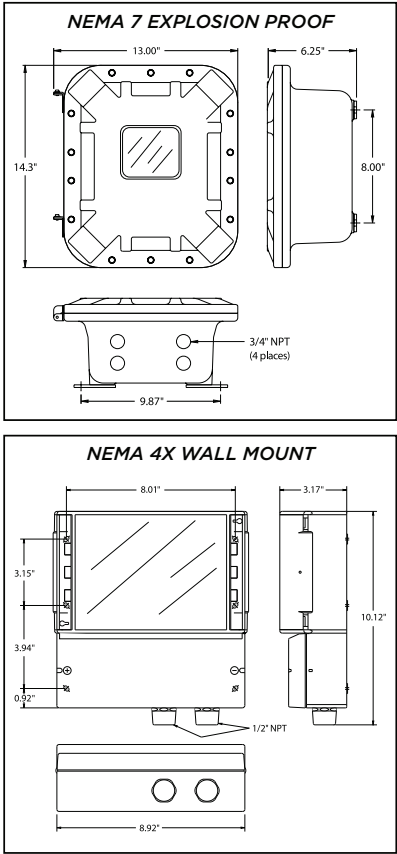|	
Inputs:	Sensor input PCBs are available for combustible sensor and 4 to 20 mA. All versions may be configured for 4 to 20 mA inputs.
Analog Outputs: (Optional)	10 bit 4 to 20 mA output. Max load 800 ohms with nominal 24 VDC power supply
Common Alarm Relays: (Standard)	Two 5 amp 30 VDC or 250 VAC resistive Form C
Discrete Alarm Relays: (Optional)	Six 5 amp 30 VDC or 250 VAC resistive Form C
Serial Port: (Optional)	Master and slave RS-485 port equipped with Tx/Rx LEDs. Protocol = MODBUS RTU. 10-BaseT Ethernet with MODBUS TCP protocol
Display:	128 x 64 pixel graphic LCD with backlight displays bar graphs, 30-minute trends and engineering units. Six discrete LEDs indicate alarm status for three alarms per channel
Ambient Temperature Range:	-25°C to 50°C
Humidity:	0 to 90% R.H. non-condensing
Power Supply:	100 to 240 VAC or 24 VDC are standard primary power supplies. AC power source generates 24 VDC at 8 watts auxiliary power.
Housing Options:	NEMA 4X wall mount CSA certified for Class I, Division 2, Groups A, B, C, D NEMA 7 explosion-proof wall mount for Division 1 areas

APPROVALS:

UL 1604 C22.2 No 213 (Division 2, Groups A, B, C, D); EN55011 and EN61000 (CE Mark). CSA File # = 219995 and may be seen at: www.CSA-International.org.

NEMA 7 EXPLOSION PROOF

NEMA 4X WALL MOUNT

Complete 7200 Plus Instruments

Part Number	Description
093-0427	7200 Plus 2 Channel NEMA 4 Enclosure 4 to 20mA Input Board Audible Alarm
093-0428	7200 Plus 2 Channel NEMA 4 Enclosure Direct Catalytic Bead Input Board Audible Alarm
093-0429	7200 Plus 2 Channel NEMA 7 Enclosure 4 to 20mA Input Board
093-0430	7200 Plus 2 Channel NEMA 7 Enclosure Direct Catalytic Bead Input Board

Complete 7400 Plus Controller

Part Number	Description
093-0456	7400 Plus 4 Channel NEMA 4 Enclosure Direct Catalytic Bead Input Board Audible Alarm
093-0458	7400 Plus 4 Channel NEMA 4 Enclosure 4 to 20mA Input Board Audible Alarm
093-0460	7400 Plus 4 Channel NEMA 7 Enclosure Direct Catalytic Bead Input Board
0930462	7400 Plus 4 Channel NEMA 7 Enclosure 4 to 20mA Input Board

Note: Transmitter power requirements must be <12 watts, an additional power supply is available for greater power demand.

Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.

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