

Model 9000 Controllers

Two or Four Channel Gas Detection Controllers

- CSA Approved for Class I, Div 2
- Accepts Two or Four 4-20 mA Inputs
- Graphic Backlit LCD Display
- Discrete Alarm Relays
- Provides 24VDC Power
- RS-485 Modbus RTU Output



Model 9000 Quad Shown

The Model 9000 Dual and Quad Channel Display / Alarm Controllers are designed to provide simultaneous display and alarm functions for up to four monitored variables and is available in two (Dual) or four (Quad) channel versions. A graphic LCD displays monitored data as bar graphs, 30 minute trends and engineering units. Three adjustable alarm levels are provided per channel. Relay outputs allow control of beacons, horns and other alarm events.

Up to 12 watts of 24VDC is available for powering monitors or other devices. An external 50 watt supply available for higher power requirements in the Quad. 4-20mA and Bridge Sensor inputs are offered for interfacing to sensor transmitters that may be long distances from the 9000.

The 9000 is easy to configure and 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.

An optional RS-485 Modbus slave port allows up to 128 Model 9000's to be multidropped onto a single data highway for interrogation by another Modbus master. 10-BaseT ethernet is also available utilizing the popular Modbus TCP/IP protocol.

9000 Dual		9000 Quad
2	4-20mA Inputs	4
2	4-20mA Outputs	4
2	Common Relays	2
6	Discrete Relays	6

See reverse for technical specifications and ordering information.

Model 9000 Controller

ORDERING INFORMATION

Description	Part Number
Model 9000 Quad - 4 Channel Controller	
Model 9000-Quad Standard.....	820-0103-01
Model 9000-Quad with Piezo	820-0103-02
Model 9000-Quad with Strobe.....	820-0103-03
Model 9000-Quad with Piezo & Strobe.....	820-0103-04
Model 9000-Quad Standard - Stainless Steel	820-0104-01
Model 9000-Quad with Piezo - Stainless Steel	820-0104-02
Model 9000-Quad with Strobe - Stainless Steel.....	820-0104-03
Model 9000-Quad with Piezo & Strobe - Stainless Steel	820-0104-04
Model 9000 Dual - 2 Channel Controller	
Model 9000 Dual Standard.....	820-0105-01
Model 9000 Dual with Piezo	820-0105-02
Model 9000 Dual with Strobe	820-0105-03
Model 9000 Dual with Piezo & Strobe	820-0105-04
Model 9000 Dual Standard - Stainless Steel.....	820-0106-01
Model 9000 Dual with Piezo - Stainless Steel.....	820-0106-02
Model 9000 Dual with Strobe - Stainless Steel.....	820-0106-03
Model 9000 Dual with Piezo & Strobe - Stainless Steel..	820-0106-04

PRODUCT SPECIFICATIONS

MaterialFiberglass or metal version.

InputsAvailable inputs include 4-20mA with precision 100 ohm terminating resistor (0-2 Volt inputs may be accepted by removing the socketed terminating resistor) and bridge sensor inputs with adjustable Sensor Excitation and Balance settings

Alarm Relays

Common5 amp 30VDC or 250VAC resistive Form C

DiscreteSix 5 amp 30VDC or 250VAC resistive Form C

Analog OutputsTwo (Dual)/four (Quad) 10 bit 4-20mA output. Max load 800 ohms with nominal 24VDC power supply

Serial PortOptional slave RS-485 port equipped with Tx / Rx LED's Protocol = Modbus® RTU

Display128 x 64 pixel graphic LCD with backlight displays bar graphs, and engineering units. 6 discrete LED's indicate alarm status, CAL MODE, keypad

TemperatureAmbient -25 to +50 degrees C.

Power Supply100-240 VAC / 24 VDC are standard primary power supplies

Enclosure Options ...NEMA 4X / IP66 wallmount approved for Div 2
NEMA 7 explosion-proof wallmount Div 1 (also meets NEMA 4)

Approvals.....CSA C22.2 No 1010.1 and ISA S82.02; CSA C22.2 No 152 for combustibles; UL 1604 / C22.2 No 213 (Div 2 Groups A,B,C,D); EN55011 & EN61000 (CE Mark).



Model 9000 Dual Shown

