



**QAS - 11000**

**QAS - 51000**

**QCP - 50000**

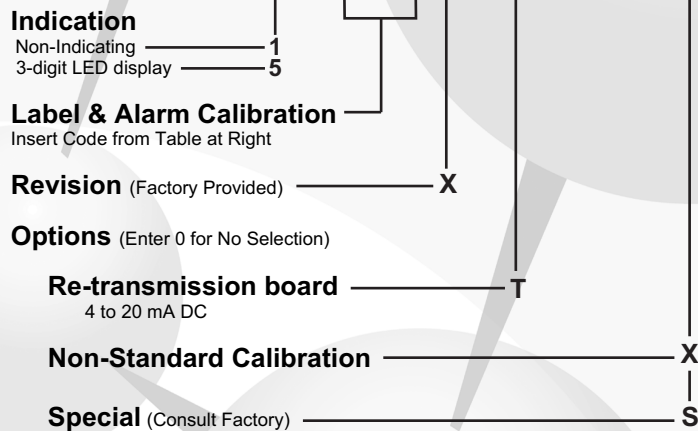
## MULTIPOINT PLUG-IN CONTROLLER SYSTEM

This modular Control System accepts and controls any 4-20 mA input. A complete system consists of a QCP-50000 series control panel and QAS-11000 / 51000 plug in controller(s). The panels, available in 2, 4 or 8 point wall mount and 4 or 8 point rack mount, require 120 VAC. The QEL control modules provide 24 VDC to any remote QEL transmitter or other level, flow, pressure etc. transmitting device reducing on site wiring costs. All controllers have three DPDT alarm relay outputs rated at 5 amps. In addition, they have LED status indication for power, high alarm, low alarm and sensor fail. Field configuration of DIP switches allows fail-safe and latching relay operation as well as audible disable. The QAS-11000 also has an auxiliary output function and relay time delays while the QAS-51000 series plug-in controller has a 3-digit LED display of gas concentration.

### PLUG-IN CONTROLLERS

#### MODEL NUMBER ORDERING CODE

QAS - 1 X - 0000 0



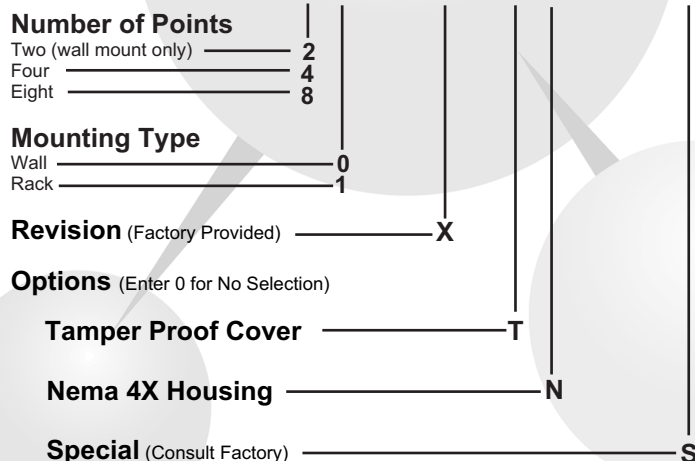
### LABEL & ALARM CALIBRATION TABLE

LABEL	CODE	STANDARD RANGE	LOW ALARM	HIGH ALARM
NONE	000	4-20 mA	7.2 mA	10.4 mA
H <sub>2</sub> S	110	0 to 25 ppm	5 ppm	10 ppm
HCN	115	0 to 20 ppm	5 ppm	10 ppm
Cl <sub>2</sub>	120	0 to 3 ppm	0.5 ppm	2 ppm
ClO <sub>2</sub>	123	0 to 1 ppm	0.5 ppm	1.0 ppm
HCl	125	0 to 10 ppm	5 ppm	7 ppm
O <sub>2</sub>	130	0 to 25% V/V	19%	17%
O <sub>2</sub>	131	0 to 25% V/V	19%	17%
SO <sub>2</sub>	140	0 to 6 ppm	3 ppm	5 ppm
NO <sub>2</sub>	150	0 to 6 ppm	1 ppm	3 ppm
CO	160	0 to 250 ppm	50 ppm	100 ppm
LEL	171	0 to 100% LEL	20%	40%
NO	190	0 to 100 ppm	25 ppm	30 ppm
CO <sub>2</sub>	200	0 to 2500 ppm	800 ppm	1000 ppm
H <sub>2</sub>	211	0 to 2000 ppm	500 ppm	1000 ppm
NH <sub>3</sub>	220	0 to 50 ppm	25 ppm	35 ppm
ETO	230	0 to 3 ppm	1 ppm	3 ppm
O <sub>3</sub>	240	0 to 3 ppm	0.5 ppm	2 ppm
R11	260	0 to 1000 ppm	500 ppm	1000 ppm
R12	270	0 to 1000 ppm	500 ppm	1000 ppm
R22	280	0 to 1000 ppm	500 ppm	1000 ppm
R123	290	0 to 100 ppm	10 ppm	50 ppm
R134a	300	0 to 1000 ppm	500 ppm	1000 ppm

### QCP-50000 SERIES CONTROL PANELS

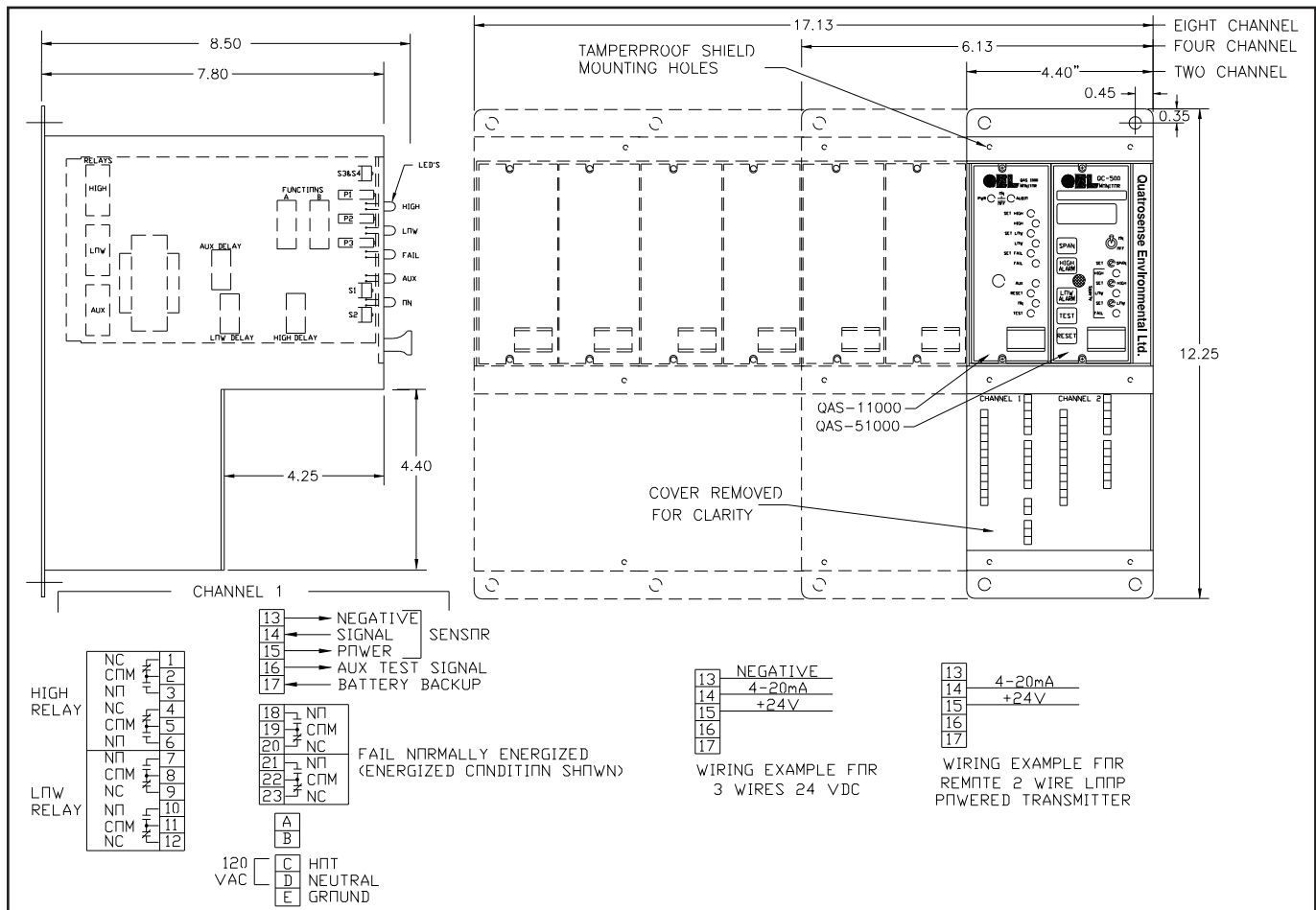
#### MODEL NUMBER ORDERING CODE

QCP - 5 00 X - 000 0



# SPECIFICATIONS

<b>Input Power:</b>	104 to 132 VAC, 50 to 60 Hz 5 VA per controller	<b>Audio Indicator:</b>	85 dB at 1 foot (30 cm)
<b>Fuse:</b>	1 Amp, 250 Volt slow blow, Buss MDL	<b>Alarm Setpoints:</b>	High, Low and Auxiliary (Fail)
<b>Enclosure Materials:</b>	No. 18 AWG Steel, Grey Enamel Finish	<b>Setpoint Adjustments:</b>	Front access trim potentiometers
<b>Enclosure Rating:</b>	Nema 1 General Purpose Nema 4X (optional)	<b>Relay Outputs:</b>	Three, Double pole double throw (DPDT), rated at 5 Amps at 240 VAC or 30 VDC resistive
<b>Temperature:</b>	-22° to +122° F ( -30° to +50° C)	<b>Field Configuration:</b>	Latching relay operation Audible disable Relay fail-safe operation (QAS-11000 only) Time delay for relay actuation (QAS-11000 only) Auxiliary output function (QAS-11000 only)
<b>Humidity:</b>	0 to 99% RH, non-condensing	<b>Time Delays:</b>	30 seconds to 72 minutes, field selectable (QAS-11000 only)
<b>Pressure:</b>	Atmospheric	<b>Display:</b>	3-Digit LED (QAS-51000 only)
<b>Input Type:</b>	4 to 20 mA DC	<b>Display Accuracy:</b>	+/- 1% of least significant digit
<b>Power Supply Output:</b>	24 VDC	<b>Approval:</b>	NRTL CSA C22.2-205
<b>LED Status Lights:</b>	Green ..... Power On Red ..... High Alarm Yellow ..... Low Alarm Red ..... Sensor Fail		



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**Read and understand fully all instructions before using these products**

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