

MX-52 ENGUARD

GAS DETECTION SYSTEM CONTROLLER

19" RACK OR PANEL MOUNT

FEATURES

- Independent Channel Operation
- Audio and Visual Alarms
- Microprocessor Based Electronics
- Utilizes SMC Technology
- Programmable in English, French, German or Spanish
- Digital System Display
- 3 Alarms per Channel
- Programmable Alarms & Relays
- 4-20 mA and Serial Output
- Fault Alarm and Relay
- Provides 24 Vdc Loop Power
- RFI and EMI Suppression
- CE Mark



MODEL MX-52 CONTROLLER

1 to 16 Channels

(Shown here in an optional instrument case)

This Instrument Control Panel provides loop power and can monitor up to 16, 24 Vdc, 4-20 mA sensor/transmitters. The controller can be connected to any combination of 2-wire or 3-wire combustible gas, oxygen or toxic gas sensor/transmitters.

A complete 16-channel system utilizes eight 2-channel circuit boards. Each channel, from 1 to 16, can be programmed to be either active(ON) or inactive(OFF). A system with only one or two control cards can be purchased initially, and expanded later by adding plug-in channel cards.



MX-52 ENGUARD

WALL-MOUNT CONTROLLER

SPECIFICATIONS

Channels:	1 - 16 Independent Channels
Mounting:	19" Rack or Panel Mount. Fits 19" cabinet with 5 1/4" high panel space
Display:	Fluorescent, 2 lines, 16 characters, fixed or scrolling
Power:	110 Vac, 220 Vac or 24 Vdc
Inputs:	4-20 mA, 24 Vdc, 2 or 3-wire sensor/transmitters
Loop Power:	24 Vdc provided
Outputs:	4-20 mA per channel, and system RS 485.
Alarm Levels:	3 Alarm Levels per channel
Visual Indicators, per channel:	Active Channel: Green LED Gas Alarms: 3 Red LEDs Fault: Yellow LED
Audio Alarm:	Horn activated by 1st gas alarm or fault
Relays:	2A, 250 Vac/30 Vdc. 2 per channel (1st & 2nd alarm). 1 system 3rd gas alarm. 1 system fault relay.
Languages:	System Programmable in English, French, German or Spanish.
Programming Relays/Alarms:	Relays can be programmed to be latching or non-latching. Alarm relays 1 and 2 can be programmed for special fan control time sequence. Relays 1 and 2 have a programmable time delay feature. System alarm relay 3 is programmable for time delay or average value activation.

SENSOR/TRANSMITTERS

Sensor/transmitters are available for a wide range of toxic and combustible gases. A partial list follows:

AsH ₃	B ₂ H ₆	Cl ₂	ClO ₂
CO	CO ₂	COCl ₂	ETO
HCl	HCN	HF	H ₂
H ₂ S	NH ₃	NO	NO ₂
N ₂ H ₄	O ₂	O ₃	PH ₃
SiH ₄	SO ₂	VCM	VOCs
F ₂	SiH ₂ Cl ₂	HBr	BCl ₃
SF ₄	WF ₆	H ₂ Se	Si ₂ H ₆
Br ₂	I ₂	NF ₃	SF ₆
TEOS	HCHO		

Sensors/transmitters are also available for organic solvents in ppm or % LEL, and combustible hydrocarbon gases in 0-100% LEL.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

