

Gas Detection Controller

Digital Modbus RTU *smarter* Transmitter Network

TA-2016MB-XP Controller Features:

- ◆ Use with any Mil-Ram Model TA-2100MB *smarter* Transmitter. Toxic/LEL/VOC/Oxygen: hundreds of different gases and vapors.
- ◆ 16-Channel system utilizing RS-485 Modbus RTU Network.
- ◆ Multi-drop Network eliminates separate wiring to each Transmitter.
- ◆ Four relays (SPST), 10 Amp. common to all channels. Select latching or non-latching function. Low, Mid, High and Fault relays. LED alarm indicators. External alarm stations optional.
- ◆ *Optional*: Remote Relay Modules, Modbus enabled, can be installed at any point on RS-485 network. Up to 16 modules per network. Up to 16 different zones. Conveniently install relays at point of use. Eliminates long wiring runs between relays and field installed alarms.
- ◆ *Optional*: Remote Analog Output Module. Provides discrete analog 4-20mA output (16 bit resolution) per channel.
- ◆ *Optional*: Remote Digital Output Module. Provides RS-485 Modbus RTU interface to Centralized System (e.g. PLC)
- ◆ *Optional*: Analog Input Module to connect standard 4-20mA Transmitters where traditional analog installation is preferred.
- ◆ Backlit 12 characters x 2 lines LCD display. Auto-scrolls to provide channel data and fault conditions. Indicates alarm status.
- ◆ Simple non-intrusive setup using magnet. Auto-Configuration wizard provides rapid channel setup without special knowledge.
- ◆ Explosion proof enclosures rated Cl I, GR B, C, D.
- ◆ Continuous Diagnostics. *Wireless* Options (consult factory).

Sensors *patented* by Mil-Ram

- ◆ *no false alarms* Mil-Ram electrochemical sensor technology
- ◆ No *zero drift* with changes in temperature/humidity/pressure
- ◆ No LEL, methane, hydrocarbons, CO, CO₂, VOCs gas interference
- ◆ Do not saturate with occasional exposure to high gas levels
- ◆ Do not *go to sleep* after long periods in gas-free air
- ◆ Chemically selective based on unique electrolyte chemistry
- ◆ Long life: >3 years typical under normal operating conditions

Digital Modbus 16-Channel Control System (8 Channel Model Available)



Model TA-2016MB-XP Auto-Configuration 110 VAC or 24 VDC

16 Channel System
Modbus RTU Network
-up to 16 Gas Detectors
-up to 16 Relay Modules
-up to 16 Alarm Zones



RS-485 Modbus RTU Network



(Analog Input Module available for connecting traditional 4-20mA Transmitters)

Gas Detectors



Model TA-2100MB *smarter* Transmitters
(LEL, Toxic, VOC, Infrared, MOS, more)



MIL-RAM
Patented Technology
no false alarms
Gas Detection Systems
ISO 9001:2000 Certified