

## CONTROL PANELS AND DISPLAYS

# GUARD LEVEL® AMU



**INDEPENDENT** ALARM MONITORING.

CABLE MONITORING FOR EACH CIRCUIT (OPEN AND SHORT CIRCUIT).

VOLTAGE FREE RELAY FOR EXTERNAL SIGNALS.

**SERIAL** COMMUNICATION.

SYSTEM TEST BUTTON.

32 DIGITAL OUTPUTS AVAILABLE.

**INDIVIDUAL** ALARM BLOCKING.

ALARM DELAY FUNCTION.

BUILT-IN POWER FAIL ALARM.

ALARMS ACKNOWLEDGE BUTTON.

The GUARD LEVEL® Alarm Monitoring Unit (AMU) is an independently powered, main alarm control unit for detection of High Level (HL) and Overfill Level (HHL) sensors providing superior control with smart features including voltage-free relay for external signals, cable monitoring for each circuit, individual alarm blocking and a built-in power fail alarm. This versatile, compact device has 32 digital outputs and can monitor any 4-20mA/HART loop sensor (open and short circuit). All programmed settings are stored in non-volatile Electrically Erasable Programmable Read-Only Memory (EEPROM) memory, with exception being blocking code, so all channels are automatically enabled when the unit is rebooted.

Since the AMU utilizes high precision A/D conversion for all channel measurements, cable shorts and a cable break on individual channels are detected and alarmed. Individual LED indication and custom nameplate is provided for each channel. All measured data as well as remote acknowledgment is handled from the MCU and associated CMS+ software with the built-in RS422 communication port. With the digital output option, the AMU can be supplied without a front panel. In this case, all alarm indications are on the discreet LEDs on the MCU – or in a customer provided console.



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