

# Intellect-69PM2

## Process Monitor with Analog Inputs

### Features

- Analog Input 0-20 mA, 4-20 mA  
0-5V, 0-10V or 1-5V
- Display Rate, Pressure, Level, Temperature,  
Watts, etc., Peak & Valley
- Calibration, High and Low Values (-9999 to  
49999) Fully Programmable Through Keypad
- NEMA 4X / IP65 Front
- +24V Output for Peripherals
- 16 Bit A/D Resolution
- 2 Form C SPDT Relays (optional)
- 2 Levels of Operator Password Lockout

### Application:

Any process monitoring application where two set points and scaling are needed.

### Description:

Featuring 4<sup>1/2</sup> digits of bright, 7-segment LED displays, the Intellect-69PM2 is a process monitor which accepts analog signal inputs. The unit can be field programmed to accept 0-20mA, 4-20mA, 0-5V, 0-10V or 1-5V signals. Two assignable set points are standard for high/low alarm outputs. The high and low scaling settings (-9999 to 49999) are programmable from the front panel. By pressing the "view" button, the unit will display: process status, peak or valley. Press the lock button once to freeze the display, press it again to resume normal operation. Press the lock button 4 times to enter lock code for panel lockout. RS-232, RS-422 and 4-20mA analog out are available options for interfacing to a host computer or strip chart recorder.

### Specifications:

#### Display:

4<sup>1/2</sup> digit, .55" high, 7 segment, red orange, LED.

**Input Power:** 110, 220 VAC  $\pm$  15% or 12 to 24VDC.

Current: 300 max. mA DC or 10.0 VA at rated AC voltage.

#### Output Power:

(AC powered units only) + 24VDC @ 50mA regulated  $\pm$ 5%.

#### Temperature:

Operating: +32°F (0°C) to +130°F (+54°C).

Storage: -40°F (-40°C) to +200°F (93°C).

**Memory:** EEPROM stores data for ten years if power is lost.



### Reset:

Front Panel: resets displayed value and control outputs.

### Control Outputs:

Standard: Open collector sinks 250mA from 30VDC when active.

Optional: 2 each Form C SPDT 5 Amp @ 120/240 VAC or 28 VDC.

**Input:** Linear 0-20mA, 4-20mA, 0-5V, 0-10V or 1-5V selectable from the front panel.

**Calibration:** The unit does all of the calibrations internally. There are no potentiometers to adjust and the unit never needs to be removed from the case.

**Set Points:** Two control set points are provided. The unit comes standard with two open collector control outputs. Two 5 Amp, Form C relays are optional. The outputs have a programmable hysteresis alarm range from 0 to 59999.

**Process Display:** Updates 4 times per second, Accurate to 4.5 digits.

**Programming:** Decimal points, Scaling from -9999 to 49999, set points, input type and security lock code are all programmable from the front panel.

**Housing:** Standard 1/8 DIN, high impact ABS plastic case (NEMA 4X/IP65 front panel).

**Shipping Weight:** 2 lbs.

**Overvoltage Protection:** 50 V

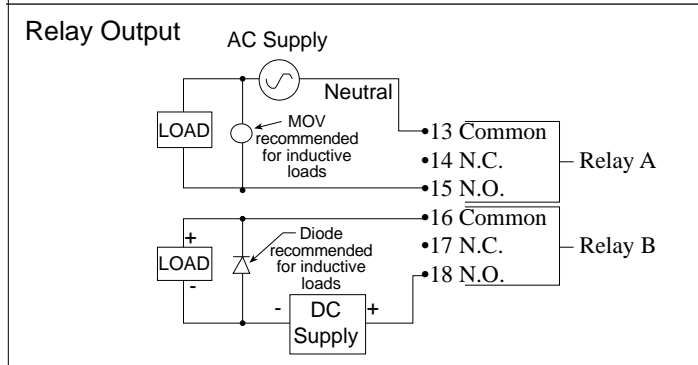
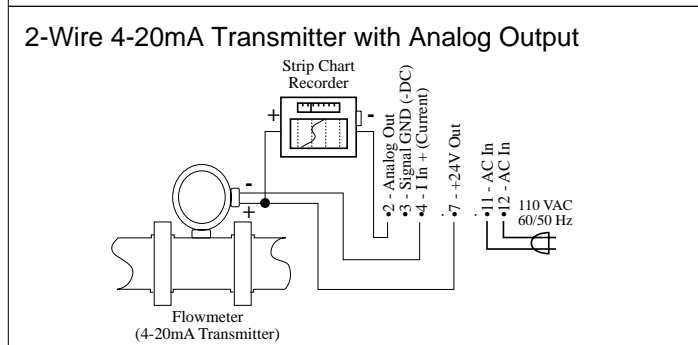
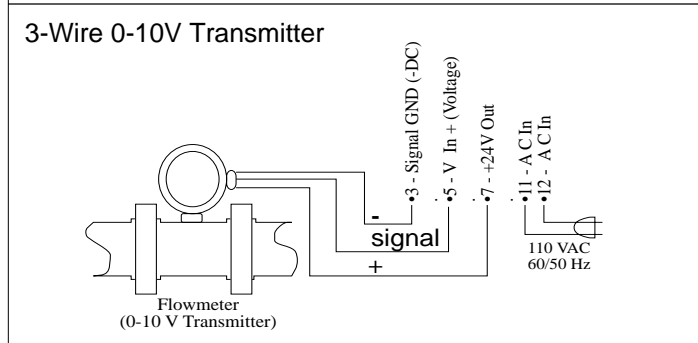
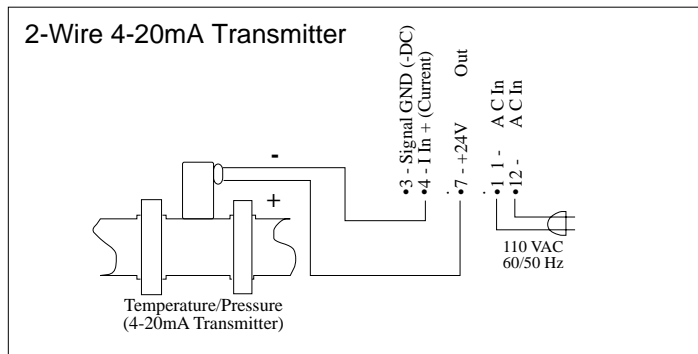
**Over-current Protection:** 50 mA

**Temperature Stability:** Will not drift more than 10 parts per million per °C from 0°C to 54°C

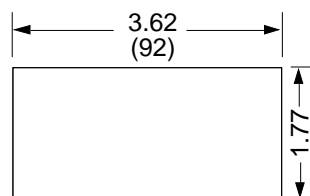
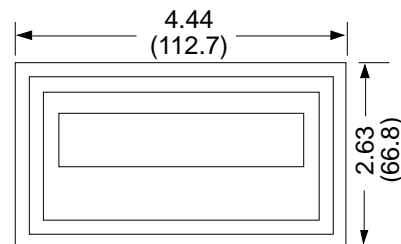
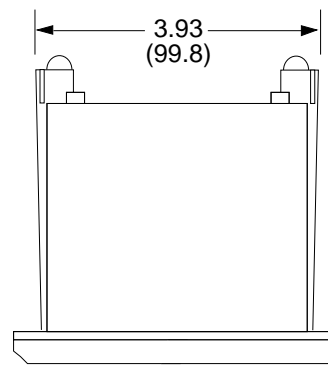
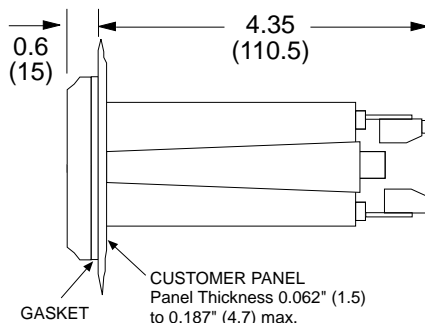
**Accuracy:** .1% (5 V inputs .16%)

**Listing:** CE Compliant, CSA (File No. LR91109), NRTL/C pending

### Typical Hookups:



### DIMENSIONS:



### Ordering Information

**EXAMPLE:** INT69PM2      A      1      A

**Series** INT69PM2= Process Monitor

**Operating Voltage**  
A= 110 VAC ± 15% or 12 to 24 VDC  
B= 220 VAC ± 15% or 12 to 24 VDC

**Control outputs**  
1= 2 - Open Collector Outputs  
2= 2 - 5 Amp Form C Relays

**Options** (multiple options available)  
A= Analog Output (4-20mA)  
C1= RS232 Communications  
C2= RS422 Communications  
CSA: CSA Approved Unit

**Accessories**  
Separate non keyboard panel order #34235  
Separate keyboard panel - order #34234  
XHV Explosion Proof Housing (see Accessories)  
NEMA-1/8DIN NEMA 4 wall mount enclosure (see Accessories)

### Wiring:

