

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 Stage Panel Lockout

Application:

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

Description:

Featuring 4^{1/2} 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 the lock button 4 times to enter lock code for panel lock-out. RS232, RS422 and 4-20mA analog out are available options for interfacing to a host computer or strip chart recorder.

Specifications:

Display:

4^{1/2} 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 4.0 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.
Remote: will not affect the display or the 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. (Open collector outputs are also supplied with 10VDC provided at transistor outputs through relay coil. If greater than 2mA is used, relay will remain energized. Applying greater than 10 VDC may damage unit. Transistor will sink 100mA in "ON" state).

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

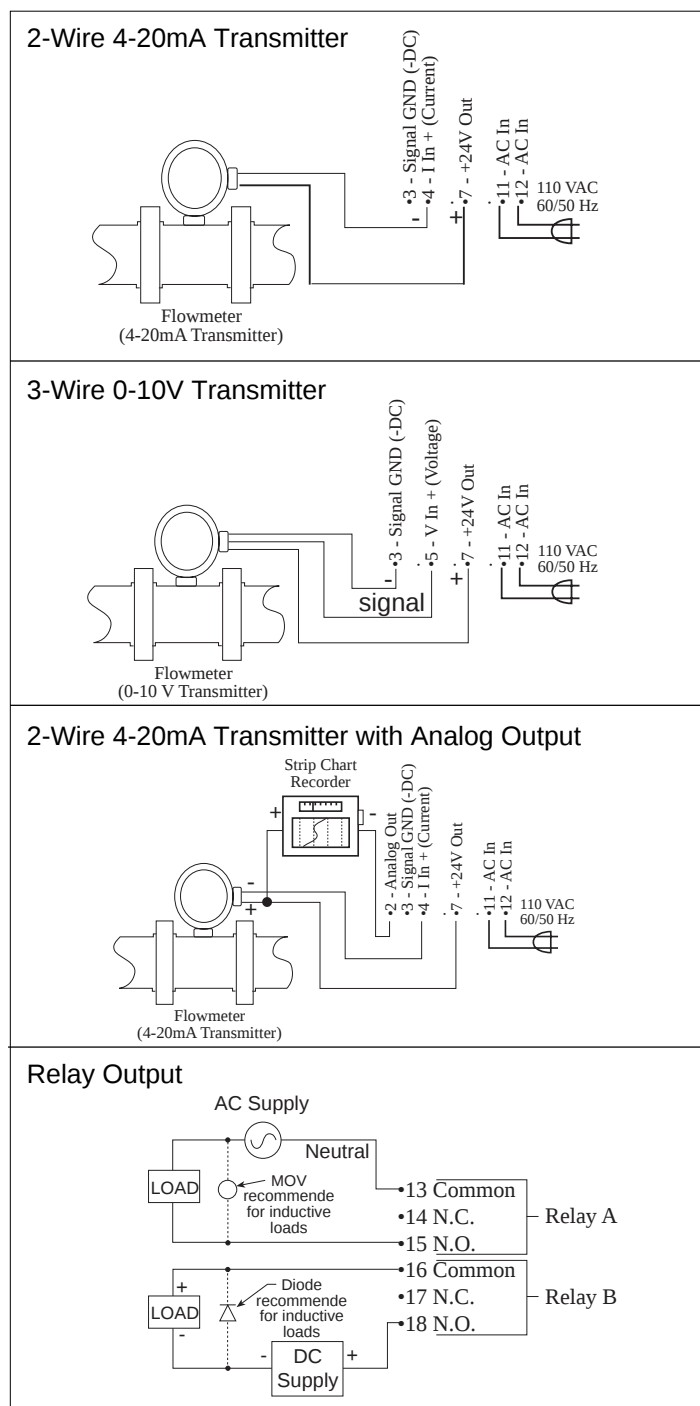
Over-current Protection: 50 mA

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

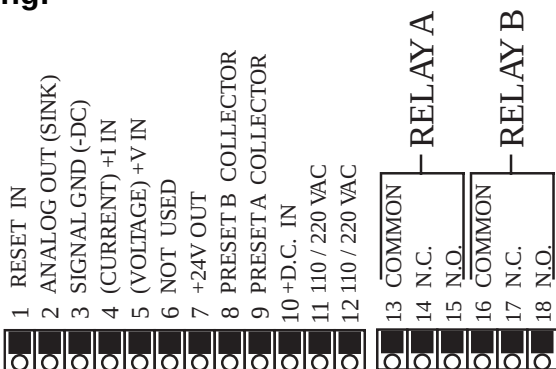
Accuracy: .1% (5 V inputs .16%)

Approvals: CE Approved, UL/CSA Pending

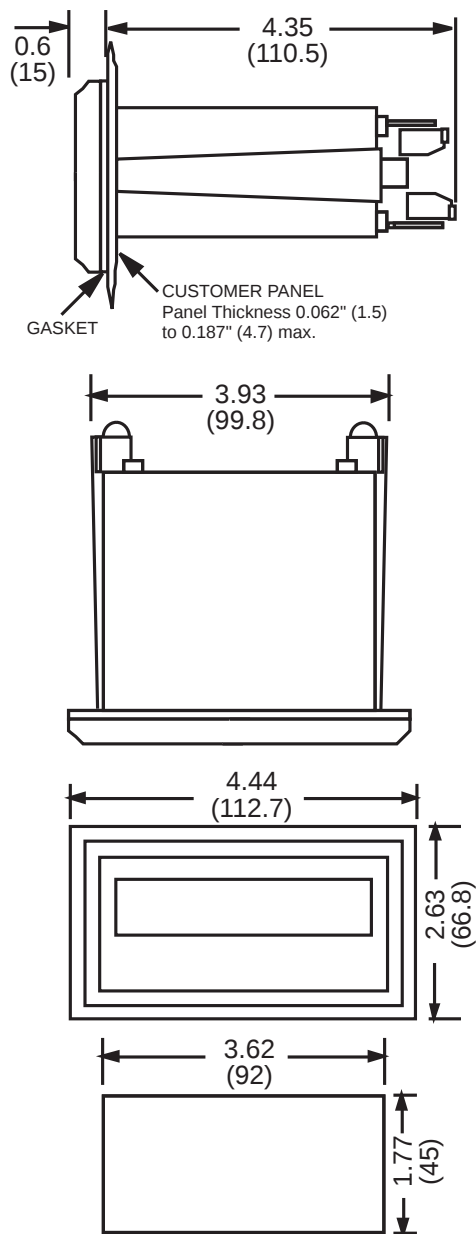
Typical Hookups:



Wiring:



DIMENSIONS:



Ordering Information

EXAMPLE: INT69PM2

A

1

A

Series

INT69PM2= Process Monitor

Operating Voltage

A= 110 VAC $\pm$ 15% or 12 to 24 VDC

B= 220 VAC $\pm$ 15% or 12 to 24 VDC

Control outputs

1= 2 - Open Collector Outputs

2= 2 - 10 Amp Form C Relays

Options (multiple options available)

A= Analog Output (4-20mA)

C1= RS232 Communications

C2= RS422 Communications

CSA: CSA Approved Unit (pending) (consult factory)

Accessories

Separate non keyboard panel order #34235

Separate keyboard panel - order #34234