

APM489-4.5 Digit Process Indicator

- Seismic S2 qualified
- (Panels tested to withstand $0.25g$ ($25m/s^2$) at 33Hz)
- Suitable for use in SIL1 & SIL2 rated safety system loop applications, 1oo1 architecture
- 4.5 Digit (20 mm) RED LED high-brightness display.
- No Microprocessor (Analogue/Digital Technology)
- Display can be rescaled using jumpers.
- Standard 115 / 230Vac supply (24Vdc supply option available)
- High stability & low cost
- Two wire 24Vdc excitation available as standard on AC supply models.

Technical Specifications

Input Range	Input Impedance	Input Range	Input Impedance
Voltage 1 ~ 5V	$\geq 1M$ ohm	Current 0(4)~20	250 ohm

Other Input ranges available on request. (TC / RTD/ mV / Hz / Special)

Overload: Voltage: 1.2 x rated continuous
1.5 x rated for 10 seconds
Current: 10 x rated for 10 seconds

Calibration: Span adjustment $\leq 10\%$ of Span
Zero adjustment $\leq 2\%$ of Span

Decimal Point: Settable to any digit position

Display LED: 4.5 digits, 0.8" (20.0mm)H red high-brightness

Display Range: 0000 ~ 19999; (Default 00.00 to 100.00%)

Input O/C Response: 0000 or -25% Calibrated Display Range (Optional)

Response Time: ≤ 100 msec.

Over Range: "0000" flash

Operating Temp: $0 \sim 60^\circ C$

Relative Humidity: $20 \sim 95\%$ R.H.

Temp. Coefficient: ≤ 50 PPM/ $^\circ C$ ($23 \pm 3^\circ C$)
 ≤ 100 PPM/ $^\circ C$ ($0 \sim 50^\circ C$)

Storage Temp: $-10 \sim 70^\circ C$

Power Supply: AC: 115/230V $\pm 10\%$, 50/60 Hz
Option: DC 12V, 24V, 48V $\pm 10\%$ (Isolated)

Power Consumption: DC: 3W, AC: 4.5VA

Dielectric Strength: AC 2.0 KV for 1 min. (between Power / Input)

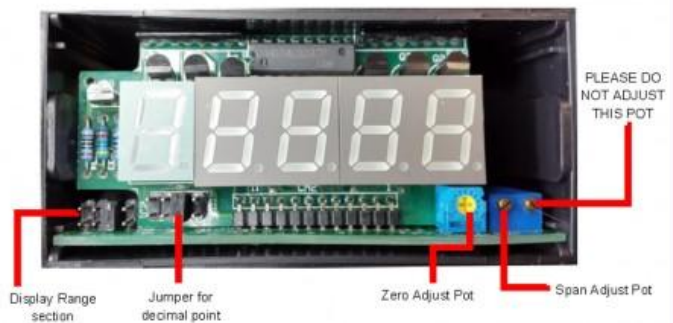
Weight: $\leq 370g$

IP Rating: Standard IP50
(Optional IP66 Front Water tight cover available)

Note: Please ensure panel mounting brackets are fixed securely and safely. Use Loctite glue to fixing screws in applications subject to vibration. (IP66 front rubber covers may be considered to act as extra shock absorbers in high vibration applications.)

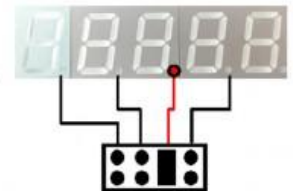


Adjustments & Jumper Positions:

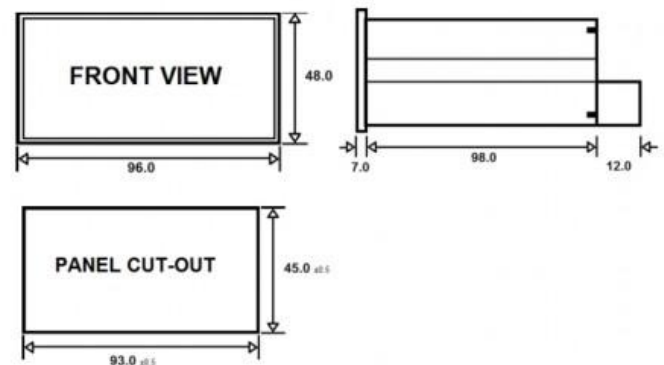


Section	Jumper	Display Range	Section	Jumper	Display Range
1		19999 ~ 17000	5		9000 ~ 6250
2		17250 ~ 13000	6		6250 ~ 4250
3		13000 ~ 9000	7		4250 ~ 3000
4		12000 ~ 8250	8		3000 ~ 2000

Decimal Point Jumper:



Dimensions (mm):



Wiring Diagram:

