AMELEC
SIGNAL CONDITIONING

APM489-BAR-ALM Bargraph Indicator with Four Trip Set Points

■ DESCRIPTION

- Red or Green LED high-brightness display.
- Suitable for most Process signals. V/I.
- Up to four alarm set points as standard.
- Vertical or Horizontal mounting options.
- Display can be scaled in % or engineering units.
- Supply options: 10 - 28 Vdc / 86 – 264 Vac
- High stability & low cost
- 8 Level brightness control buttons on front fascia.
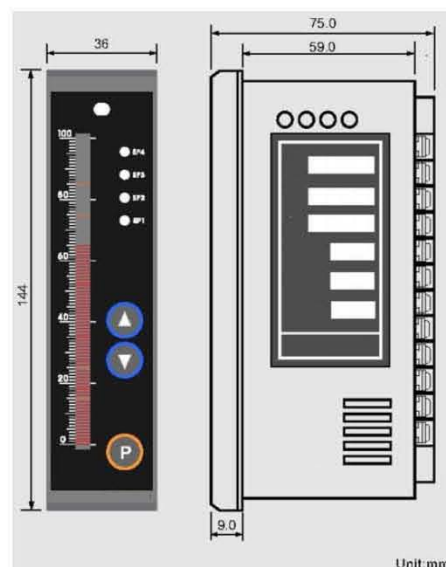
■ TECHNICAL SPECIFICATION

Input

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

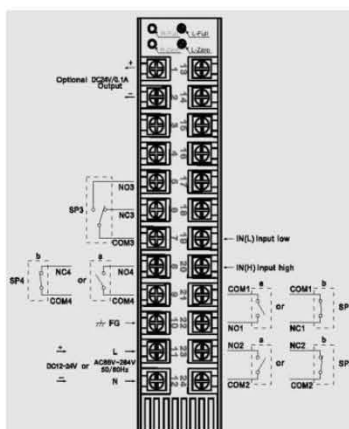➢ Other ranges available on request.

Over load:	Voltage: 1.5 x rated continuous. 2 x rated for 10 seconds.
Display LED:	101 Segments High-brightness red or green LED
Scaling:	% or Engineering units. Vertical or Horizontal mounting options
Operating Temp:	-30 ~ +70 ℃.
Relative humidity:	<85 %R.H.
Storage temp:	-30 ~ +70 ℃.
Power supply:	10-28Vdc / 86-264Vac
Power cunsumption:	≤ 0.7 W(F.S.)
Dielectric Strength:	DC 1 KV for 1 min. (Between Power / Input)
Weight:	≤100g

■ CONNECTION DIAGRAM

■ DIMENSIONS

Panel Cut-out dimensions: 33.5 x 137.5 mm

■ Wiring Diagram

NO.	Symbol	I/O	Function
1	Vout (H)	O	DC 24V Output (+) (Optional)
2	Vout (L)	O	DC 24V Output (−) (Optional)
5	NO3	O	Normally Open for SP3
6	NC3	O	Normally Closed for SP3
7	COM3	O	Common for SP3
8	NO4/NC4	O	Normally Open or Normally Closed for SP4
9	COM4	O	Common for SP4
10	FG	I	Ground
11	PS+ / L	I	DC Power Positive or AC Power L
12	PS− / N	I	DC Power Negative or AC Power N
19	IN (L)	I	Signal Input Low
20	IN (H)	I	Signal Input High
21	COM1	O	Common for SP1
22	NO1/NC1	O	Normally Open or Normally Closed for SP1
23	NO2/NC2	O	Normally Open or Normally Closed for SP2
24	COM2	O	Common for SP2