

SETPOINT COMPARATOR

AM-213



DC Voltage Measurement

Model	Range	Display	Input Impedance	Input Protection
AM-213-11	± 99.99mV	OFFSET ± 9999	100MΩ	± 250V
AM-213-12	± 999.9mV		100MΩ	± 250V
AM-213-13	± 9.999V	FULLSCALE ± 9999	1MΩ	± 250V
AM-213-1V	1 to 5 V		1MΩ	± 250V

Accuracy : ± (0.03% of rdg +2 digit) (23°C ± 5°C 35 to 85%RH)

DC Current Measurement

Model	Range	Display	Input Impedance	Input Protection
AM-213-2A	4 to 20mA	OFFSET ± 9999 FULLSCALE ± 9999	50Ω	± 60mA

Accuracy : ± (0.1% of rdg +2 digit) (23°C ± 5°C 35 to 85%RH)
 ※Accuracy is less than 1 (FSC-0FC) / (FIN-OIN)

Specifications

Measuring Section

Input configuration: Single ended
 Conversion rate: 12.5 times/sec(50Hz), 15 times/sec(60Hz)
 Noise rejection ratio: NMR50dB or more (50/60Hz)
 Display: Red LED, 8mm height
 Polarity display: Automatic "-" display when the computation result is minus
 Overrange warning: When input exceeds the maximum display, display OL or -OL
 Maximum display: ± 9999
 Decimal point: Settable to any digit position
 Zero display: Leading zero suppression

Common Section

Memory backup: EEPROM (rewrite 100,000 times)
 Operating temp.: 0 to 50°C 35 to 85%RH
 Storage temp.: -10 to 70°C (less than 60%RH)
 Power supply: DC24V ± 20%
 Power consumption: 85mA (TYP) at DC24V
 Dimensions: 48mm(W)×24mm(H)×88mm(D)
 Weight: approx.100g (unit only)
 Dielectric strength: Input terminal (LO) and comparator output, ANALOG (-), DC500V/min.
 Power supply (OV) and input (LO), comparator output, ANALOG (-), case, DC500V/min.
 Input terminal (LO) and case AC1500V/min.
 Insulation resistance: DC500V more than 100MΩ at the above terminals
 Excitation supply: DC24V ± 10% 25mA ripple less than 200mVp-p
 Accessories: Instruction manual, rubber paking, terminal

Output Specification

Analog Output (isolated input LO)

Output	Resistive load	Accuracy (23°C±5°C)	Ripple
4 to 20mA	0 to 250 Ω	± 0.5% of FS	25mVp-p

Can adjust analog output to meet display.
 ※Ripple for resistive load 250Ω, 20mA

Sales, Service, Technical support
Topac Inc.

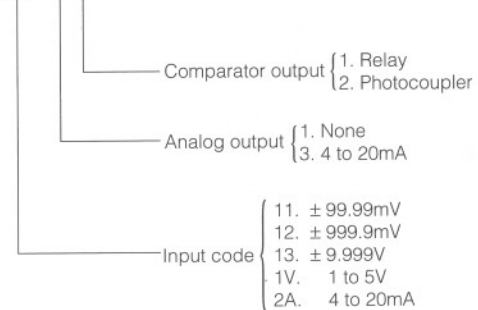
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Features

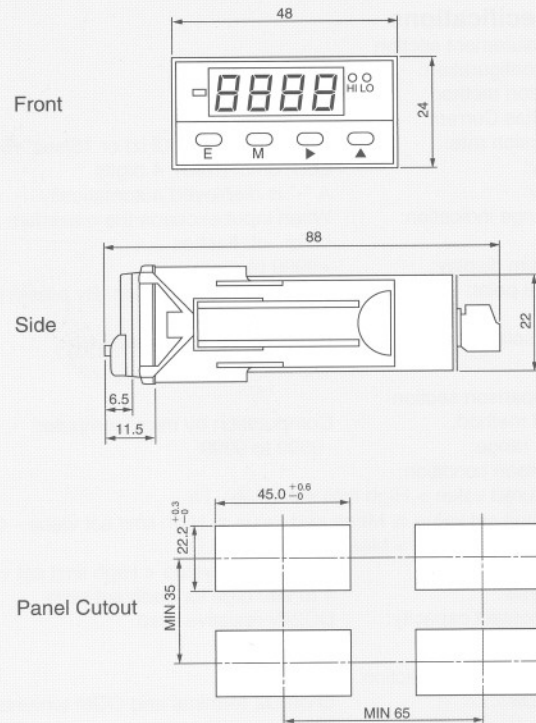
- NEMA 4 front panel (IP66)
- Excitation power supply DC24V
- Analog output (4 to 20mA) option
- HI and LO setpoints
- 1/32 DIN size

Ordering Code

AM-213 - □ □ □ □

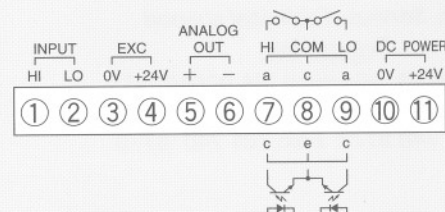


Dimensions



Panel thickness 0.8 to 5.0mm

Connection Diagram



Comparator