

# SETPOINT COMPARATOR

## AM-213



### ■ Features

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

### ■ 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-OFc) / (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) × 388mm(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

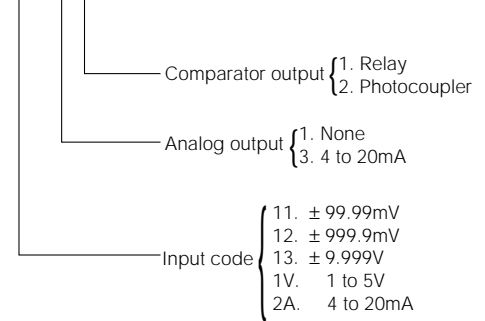
#### ● Analog Output (isolated input LO)

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

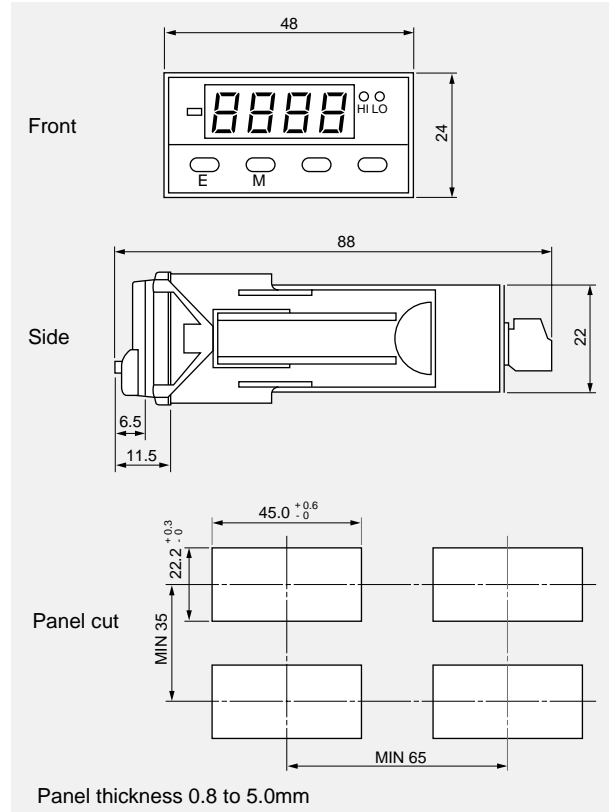
Can adjust analog output to meet display.  
 Ripple for resistive load 250Ω, 20mA

### ■ Ordering Code

AM-213 - □ □ □ □



### ■ Dimensions



### ■ Connection Diagram

