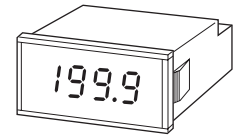


**3 1/2 DIGIT 2-WIRE DC PANEL METER**

MODEL **43AL**

**MODEL & SUFFIX CODE SELECTION**

MODEL \_\_\_\_\_ 43AL  
 INPUT: 4 – 20mA DC



**Functions & Features**

- Small size, 3 1/2 digit DC meter
- No external power source needed
- CE marking
- UL approval

**ORDERING INFORMATION**

Specify code number and variables. If the display scale is not specified at the time of ordering, the unit will be shipped with the default range 0 – 1999.

- Code number (e.g. 43AL)
  - Display range (e.g. 00.0 – 100.0; including decimal point) '000' (not including decimal point) is displayed for zero display.
- Factory default for non-specified is '000 – 1999' without decimal point.

**GENERAL SPECIFICATIONS**

**Construction:** Panel flush mounting  
**Connection:** Terminal block  
**Housing material:** Flame-resistant resin (black)  
**Input configuration:** Dual-slope integration  
**Scaling:** Analog scaling; potentiometer on the top

**DISPLAY**

**LED:** 10.16 mm (.4") 7-segment, red  
**Number of display digits:** 3 1/2  
**Maximum display range:** 1999  
**Scaling factor for process meter**  
**Zero:** ±200 counts  
**Span:** 100 to 1999 counts  
**Decimal point position:** 3 positions selectable with internal DIP SW behind the cover  
**Polarity sign:** Minus (–) sign added automatically according to the computation result  
**Read rate:** Approx. 2.5/s  
**Over-range warning:** The MSD shows '1' with all other digits OFF with 1999 or greater input

**INPUT**

■ **DC CURRENT:** 4 – 20mA DC  
**Voltage drop\*:** Approx. 5.0V with 4mA; approx. 5.3V with 20mA

\*The minimum required supply voltage to the 2-wire transmitter added with the indicator's voltage drop at the maximum input current must be within the output voltage range of the 2-wire transmitter's excitation supply.

**INSTALLATION**

**Operating temperature:** 0 to 50°C (32 to 122°F)  
**Operating humidity:** 35 to 85% RH (non-condensing)  
**Mounting:** Panel flush mounting  
**Dimensions:** W48×H24×D40 mm (1.89"×0.94"×1.57")  
**Weight:** 30 g (1.1 oz)

**PERFORMANCE in percentage of reading**

**Accuracy:** ±(0.1% of FS + 1 digit)  
**Temp. coefficient:** ±0.3 digit/°C (±0.17 digit/°F)  
**Dielectric strength:** 500V AC @1 minute  
 (input [LO] to grounding [E] terminal)

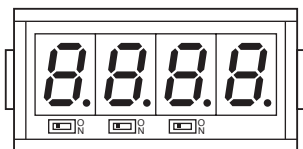
**STANDARDS & APPROVALS**

**CE conformity:** EMC Directive (2004/108/EC)  
 EMI EN 61000-6-4  
 EMS EN 61000-6-2  
**Approval:** UL (UL 508)

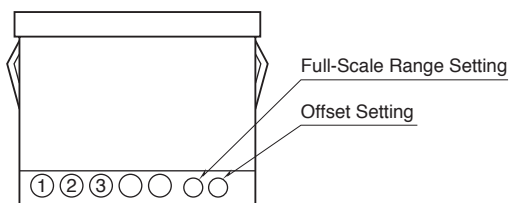


### DECIMAL POINT POSITION

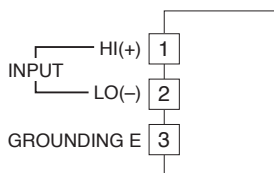
Remove the front acrylic cover and set the DIP SW located below each digit.



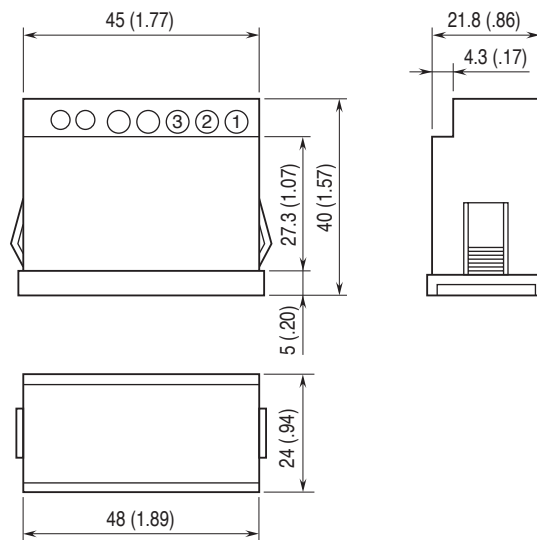
### TOP VIEW



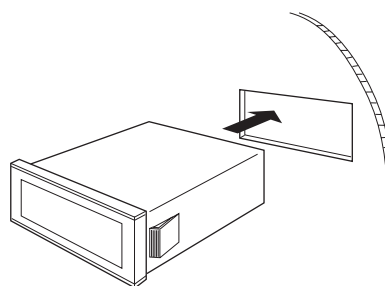
### CONNECTION DIAGRAM



### EXTERNAL DIMENSIONS unit: mm (inch)

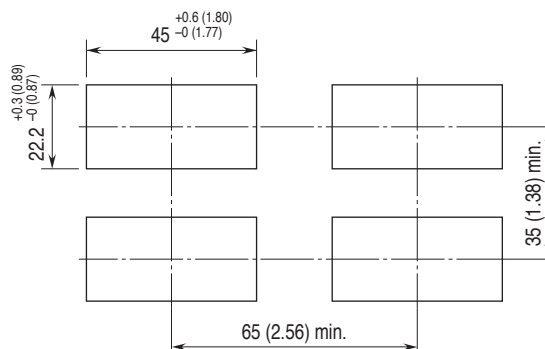


### MOUNTING REQUIREMENTS mm (inch)



Just insert the meter body (snap-in method).

### ■ PANEL CUTOUT



Panel Thickness: 0.8 – 3.5 mm (0.03 – 0.14 in.)

