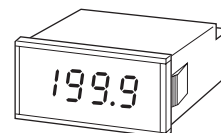


3 1/2 DIGIT 2-WIRE DC PANEL METER

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

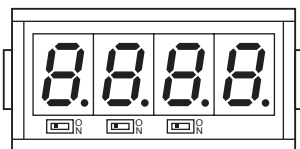
Accuracy: ±(0.1% of FS + 1 digit)
Temp. coefficient: ±0.3 digit/°C (±0.17 digit/°F)
Dielectric strength: 500V AC @1 minute
 (input [LO] to grounding [E] terminal)

STANDARDS & APPROVALS

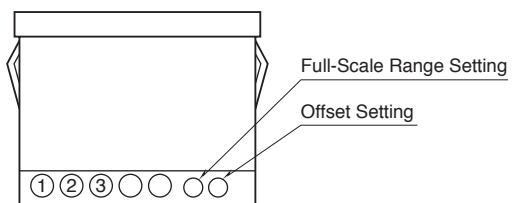
CE conformity: EMC Directive (2004/108/EC)
 EMI EN 61000-6-4
 EMS EN 61000-6-2
Approval: UL (UL 508)

DECIMAL POINT POSITION

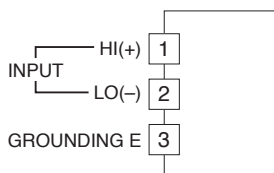
Remove the front acrylic cover and set the DIP SW located below each digit.



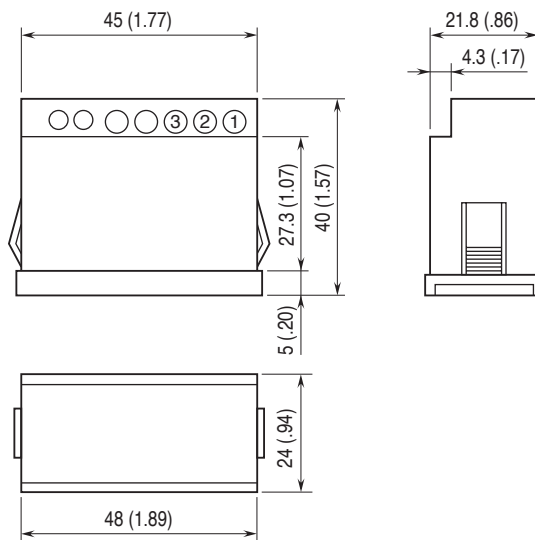
TOP VIEW



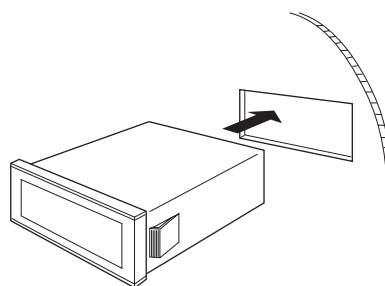
CONNECTION DIAGRAM



EXTERNAL DIMENSIONS unit: mm (inch)

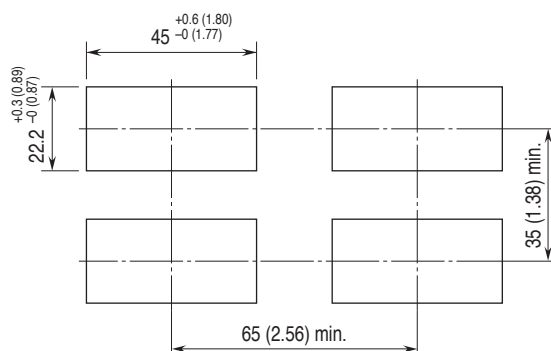


MOUNTING REQUIREMENTS mm (inch)



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

■ PANEL CUTOUT



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