

# TRANSMITTER DISPLAY 0-10VDC WITH SET POINT SWITCH

EDIG-4

This unit accepts a 0-10VDC signal from Pressure, Temperature, Humidity, Flow or Level transmitters and Damper / Valve motors. The display indicates the sensed parameter which is linear across the range. A setpoint and differential can be adjusted to switch a volt free contact. The range of the transmitter must match the display range. Otherwise use the 0-10 or 0-100 display range.



Accuracy approx 1% of range.

Suitable for use with EDT.. EWT.. EWPT.. EAV.. EHDT.. EHRT.. ED-V040 EI-V110 E08..M E16..M etc.

The ranges are selected via a 16 position switch.

Input current < 0.5mA

Enclosure Flammability = UL94-V2

Type	Selectable Display	Selectable Range/Setpoint	Diff Adj	Supply $\pm 15\%$	Input	230VAC SPDT	Power Consumption	Mounting	Enclosure
EDIG-4	C %RH m/s mbar Bar Kpa Pa etc	See chart	See chart	24VAC/DC	0-10VDC	10(3) A	<3.3VA	Front Panel	IP00

**RANGE CHART :**

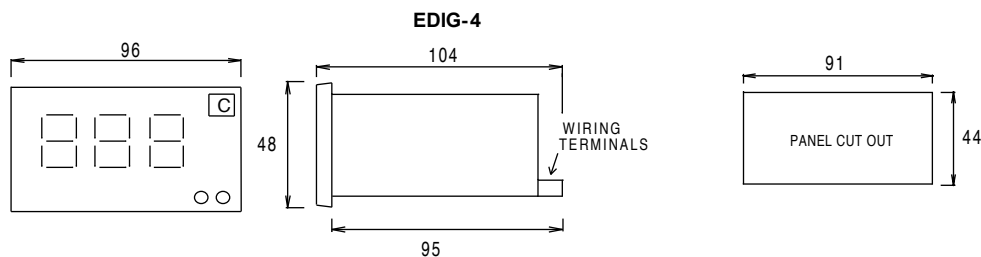
Switch Position	0	1	2	3	4	5	6	7	8	9
Display Range	0-1	0-2	0-3	0-5	0-10	0-16	0-25	0-50	0-100	0-200
Diff adj.	0.1-0.9	0.1-1.9	0.1-2.9	0.1-4.9	0.1-9.9	0.1-15	0.1-24	0.5-49	1-99	1-199

Switch Position	A	B	C	D	E	F
Display Range	0-500	0-999	-10 / +40	-10 / +110	-10 / +50	25/95
Diff adj.	1-499	1-900	0.5-40	0.5-40	0.5-40	0.5-40

**Example:**

If the range required is 0-100mbar, set the switch position to 8. At 0vdc input, the display is zero and linear up to 10vdc, when the display will be 100mbar. The switch point & differential is adjustable.

**DIMENSIONS:**



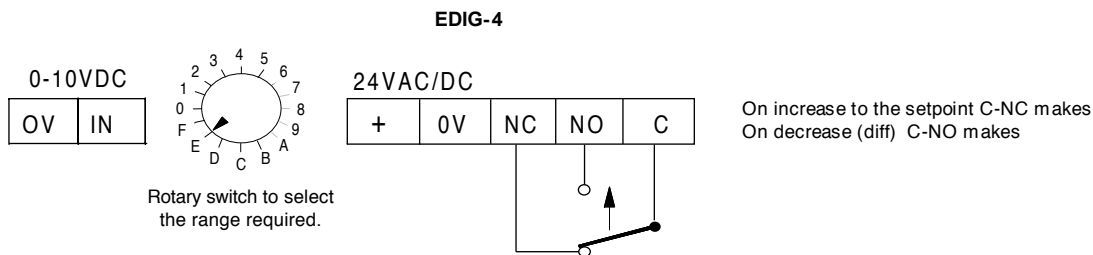
Fixing brackets & screws are provided.

A set of labels are included with the following symbols and can be applied to the unit as shown above - **kPa mbar Pa m/s bar %RH C**

**ADJUSTMENT:**

Press either button on the front panel and the current Setpoint is displayed. Adjust to the required value by pressing the buttons (left =decrease, right = increase) The Diff is then displayed which can also be adjusted in the same way, if required. After the adjustments have been made, the sensed parameter will be displayed automatically.

**WIRING:**



On increase to the setpoint C-NC makes  
On decrease (diff) C-NO makes

**INSTALLATION:** Terminals 0.5-2.5mm      Sensor / control signal cable size 7/0.2mm      Max length 100mm  
Screened cable is recommended      The screen should be earthed at controller end only  
Keep sensor/control signal wires away from power cables/units which may cause interference.