AIR DIFFERENTIAL PRESSURE TRANSMITTERS
0-10 VDC / 4-20mA

EDT..

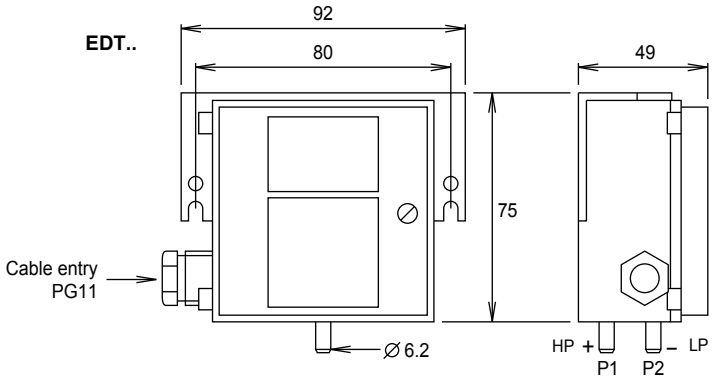
These devices measure vacuum, pressure or differential pressure of air and non-combustible, non-aggressive gases across fans, filters, air flow devices etc and give a 0-10vdc output signal linear across the range. Suitable for air conditioning, ventilation and building management systems.
Models with square root extracted output are available on request.
The duct kit EED2 is included.

Load : 0-10vdc >10kΩ 4-20mA<400Ω
Response time <500ms
Max. ambient 70°C
Max consumption <30mA
Accuracy: EDT-050 <3% EDT-1..25 <2%
Ceramic sensor Diaphragm: silicone
Plastic enclosure
Conversion : 1 mbar = 100 Pa
Enclosure Flammability EDT.. Lid = UL94-HB
Pressure Housing = UL94-V-2
Includes Duct kit

Type	Range mb	Max Press bar	Supply ± 15%	Output Signal	Max Media Temp °C	Pressure Connections	Enclosure
EDT-050	-0.5/+0.5	5	24VAC/DC	0-10 vdc	70	6mm push-on	IP65
EDT-1	0/1	5	24VAC/DC	0-10 vdc	70	6mm push-on	IP65
EDT-3	0/3	5	24VAC/DC	0-10 vdc	70	6mm push-on	IP65
EDT-5	0/5	5	24VAC/DC	0-10 vdc	70	6mm push-on	IP65
EDT-10	0/10	5	24VAC/DC	0-10 vdc	70	6mm push-on	IP65
EDT-16	0/16	5	24VAC/DC	0-10 vdc	70	6mm push-on	IP65
EDT-25	0/25	5	24VAC/DC	0-10 vdc	70	6mm push-on	IP65
EDT-3/5/10	Selectable	5	24VAC/DC	0-10 vdc	70	6mm push-on	IP65
EDT..MA	Same as above but with 2 wire loop powered 4-20mA output.						
EDT..V	Same as above but with 3 digit LCD display. Not available for EDT-050.						

DIMENSIONS:

EDT..



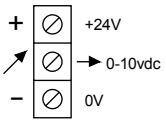
ACCESSORIES:

EE-BFN	Brass duct flange for 6mm OD metal tube
EE-D2	Duct kit 2m EE-PH + 2xEE-PT for EDA..
EE-PH15	PVC hose 5x8mm x 15 metres
EE-PT	70mm Plastic duct adaptor for use with PVC hose
EE-TE	Plastic T connector for use with PVC hose
EE-TA	Plastic straight connector for use with PVC hose
EE-TY	Plastic Y connector for use with PVC hose

WIRING:

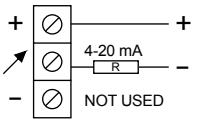
EDT..

0-10 vdc



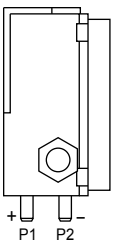
EDT..MA

4-20 mA



Use minimum cable size of 7/0.2mm
Max cable length 100m / 0-10vdc 300m / 4-20mA
Screened cable is recommended.
The screen should be earthed at controller end only.
Keep away from power cables/units which may cause Interference.

INSTALLATION:



Mount vertically as shown. Mounting with lid facing down will increase the reading by approx. 0.1mbar.
Mounting with lid facing up will decrease the reading by approx. 0.1mbar.

Port P1 **+** = High Pressure .. connect to fan discharge or high pressure side of filter.
Port P2 **–** = Low Pressure .. connect to fan suction or low pressure side of filter.

The low pressure port can be left open for fan/air flow monitoring
To monitor vacuum - connect the low pressure port to the high vacuum side.