

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

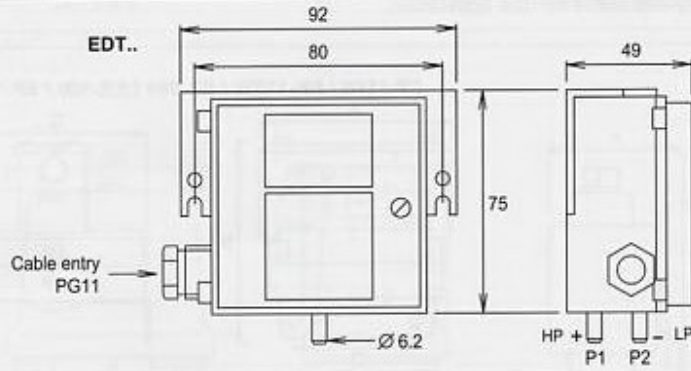
These devices measure vacuum, pressure or differential pressure of air and non-combustible, non-aggressive gases across fans, filters, air flow devices etc and give a 0-10vdc output signal linear across the range. Suitable for air conditioning, ventilation and building management systems. Models with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



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 : mbar x 100 = Pa  
 Enclosure Flammability EDT.. Lid = UL94-HB  
 Pressure Housing = UL94-V-2

Type	Range pascals	Max Press kPa	Supply ± 15%	Output Signal	Max Media Temp °C	Pressure Connections	Enclosure
<b>EDT-050</b>	-0.5/+0.5	5	24VAC/DC	0-10 vdc	70	6mm push-on	IP54
<b>EDT-1</b>	0/1	5	24VAC/DC	0-10 vdc	70	6mm push-on	IP54
<b>EDT-3</b>	0/3	5	24VAC/DC	0-10 vdc	70	6mm push-on	IP54
<b>EDT-5</b>	0/5	5	24VAC/DC	0-10 vdc	70	6mm push-on	IP54
<b>EDT-10</b>	0/10	5	24VAC/DC	0-10 vdc	70	6mm push-on	IP54
<b>EDT-16</b>	0/16	5	24VAC/DC	0-10 vdc	70	6mm push-on	IP54
<b>EDT-25</b>	0/25	5	24VAC/DC	0-10 vdc	70	6mm push-on	IP54
<b>EDT..MA</b>	Same as above but with 2 wire loop powered 4-20mA output.						
<b>EDT..V</b>	Same as above but with 3 digit LCD display. Not available for EDT-050.						
<b>EDT..W</b>	Weatherproof with IP65 enclosure						

**DIMENSIONS:**



**EDT..W** Dims = H125 x W125 x D75

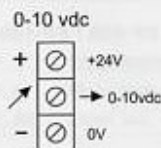
**ACCESSORIES:**

- 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..**

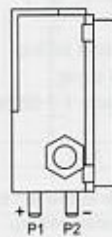


**EDT..MA**



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.