

DIFFERENTIAL PRESSURE TRANSMITTER

⚙ Description:

M11 series differential pressure transmitter is used for measuring low pressure of air and non-combustible gases in order to monitor and control building automation, HVAC and cleanroom systems. These transmitters boast of their outstanding performance, high quality and economical pricing.

⚙ Technical Detail:

- Range : 0 ~ ±10Pa/0 ~ ±10,000Pa
- Accuracy : ±1.0% FS
- Supply Voltage : 16 ~ 30VAC/VDC (2-wire)
- Output signal : 0~10VDC, 4~20mA, both 2- wire, 3-wire and 4-wire available
- Selectable pressure measuring unit
- LCD backlit digital display or without display
- Auto zero point when power on optional
- Selectable response time field adjustable from 20mS ~2S
- Manual zero point push button
- Easy installation

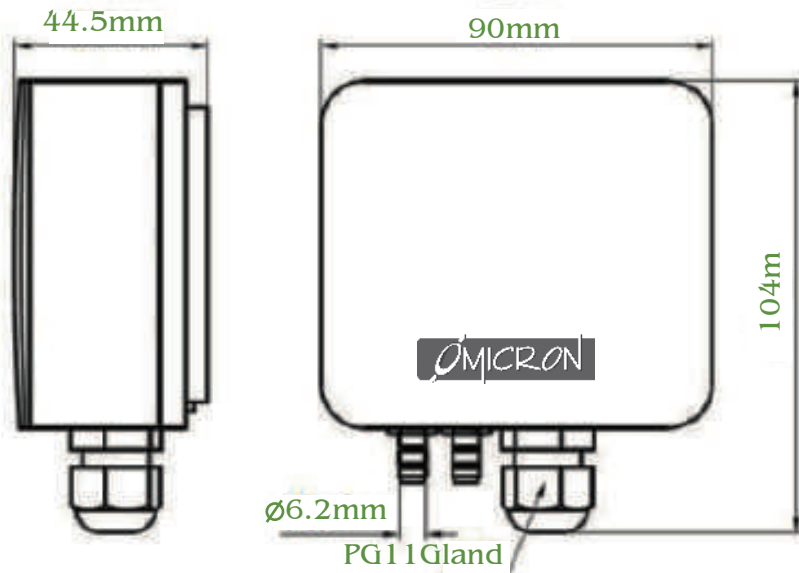


⚙ Specification:

Accuracy	:	±1.0%FS
Pressure unit	:	Pa, mmH ₂ O, mbar, inWG, mmHG, daPa, KPa, hPa (Dip Switch Settable)
Output signal	:	0-10VDC and 4-20mA Simultaneous output/ 4-20mA 2 wire 0 - 10VDC, 3 wire
Supply voltage	:	16~30VAC; VDCfor M11x - Ax 16~30VDC; for others
Power consumption	:	1.5W
Response time	:	20mS, 0.5S, 1S, 2S settable
Resolution		
M110	:	1Pa, 1mmH ₂ O, 0.01mbar, 0.004inWG, 0.007mmHG, 0.1daPa, 0.001KPa, 0.01hPa
M112	:	1Pa, 1mmH ₂ O, 0.01mbar, 0.004inWG, 0.007mmHG, 0.1daPa, 0.001KPa, 0.01hPa
M116	:	0.1Pa, 0.01mmH ₂ O, 0.001mbar, 0.01 daPa, 0.001 hPa
Zero point adjustment	:	Automatic with autozero setting or with push button
Measuring media	:	Air and neutral gas
Ambient temperature	:	-10 ~ 60°C (0 - 99% RH Non Condensing)
Protection class	:	IP 54(IP 65 Version Available Optionally, Add Suffix I in Order Code)
Over pressure capacity	:	Model Over Pressure
		M116 -15,000 ~ +15,000Pa
		M110 -150,000 ~ +150,000Pa
		M112 -4500 ~ +4500Pa
Agency Approval	:	CE

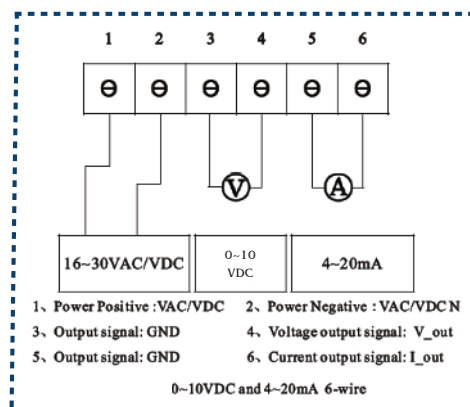
DIFFERENTIAL PRESSURE TRANSMITTER

⚙ Dimensions :

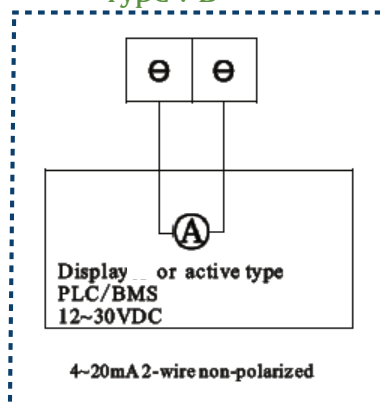


⚙ Wiring Method :

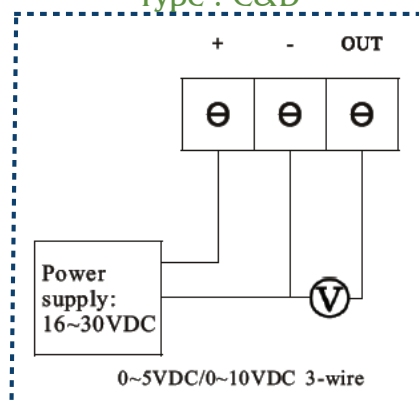
Type : A



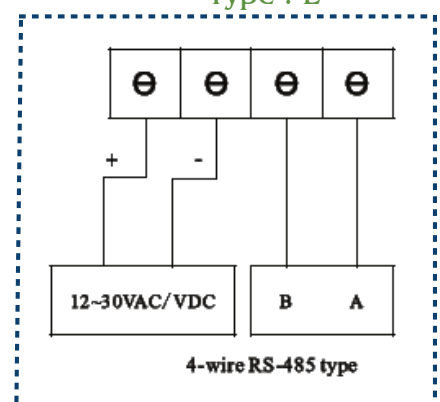
Type : B



Type : C&D



Type : E



DIFFERENTIAL PRESSURE TRANSMITTER

⚙️ Pressure Range Table:

Pressure		Unidirectional pressure	Bidirectional pressure
M116			
-100 ~ +100 Pa	:	0~10Pa	-5.00 ~ +5.00 Pa
		0~25Pa	-12.50 ~ +12.50 Pa
		0~50Pa	-25.00 ~ +25.00 Pa
		0~75Pa	-37.50 ~ +37.50 Pa
		0~100Pa	-50.00 ~ +50.00 Pa
M110			
-1000 ~ +1000 Pa	:	0~100Pa	-50.0 ~ +50.0 Pa
		0~250Pa	-125.0 ~ +125.0 Pa
		0~500Pa	-250.0 ~ +250.0 Pa
		0~750Pa	-375.0 ~ +375.0 Pa
		0~1000Pa	-500.0 ~ +500.0 Pa
M112			
-10,000 ~ +10,000 Pa	:	0~1000Pa	-500 ~ +500.0 Pa
		0~2500Pa	-1250 ~ +1250 Pa
		0~5000Pa	-2500 ~ +2500 Pa
		0~7500Pa	-3750 ~ +3750 Pa
		0~10,000Pa	-5000 ~ +5000 Pa

HOW TO ORDER

⚙️ Basic Model:

M11

⚙️ Range:

2

0 0 to 1000 Pa 2 0 to 10000Pa 6 0 to 100Pa

⚙️ Outputs:

A

A 4~20mA and 0-10VDC B 4~20mA (2-WIRE)
C 0~10VDC (3-WIRE) E Modbus RS485 RTU

⚙️ Display:

D

D With display N Without display

Ordering Example : M112 - AD