POLMON

Measure. Control. Automate.

DIFFERENTIAL PRESSURE TRANSMITTER/INDICATOR   DPT52

"DPT52" is specially designed to measure Differential pressure and transmit digital data or 4–20mA to Indicators or Data loggers, which enables to monitor the DP and to take necessary actions to maintain the room conditions as per the requirement or application.
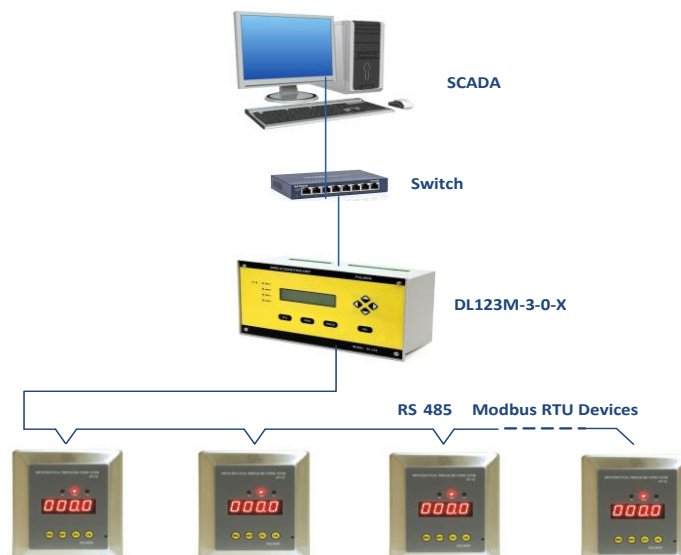
Features

- 4–20mA/Relay/RS485/(RS485+Relay) / Dual 4-20mA Output
- MODBUS RTU communication Protocol
- Inbuilt Digital Differential Pressure Sensor
- Test & Calibration certificate traceable to National Standards

Applications

- Pharmaceutical industry
- Blood Banks
- Horticulture
- HVAC

Network Architecture

SCADA

Switch

DL123M-3-0-X

RS 485   Modbus RTU Devices

Specifications

Technical

Model NO	DPT52-R-1-X-X	DPT52-R-2-X-X	DPT52-R-3-X-X	DPT52-R-4-X-X	DPT52-R-5-X-X
No .of Units	10				
No .of Inputs	1				
Measuring Range	-100 mmWC to + 100 mmWC				
Input Accuracy	+/- 1.5 % of Reading ± 3counts for ±25.4 mmWC and ±1.5% FSR for remaining				
Resolution	Depends upon the selected measured units				
Communications	RS485	4-20mA Output	Relay Output	RS485 & Relay Output	Dual 4-20mA Output
Output Accuracy	± 0.05 mA				
Response time	1 sec				
Buzzer	In built Buzzer provided to beep in set values violated condition with user configurable Snooze option				
Display	7 Segment 0.39" LED Display				
Keypad	Tactile Keys				
Calibration	Software (Through Tactile Keypad)				

Power Supply

Input Supply	24V DC,200mA

Physical

Enclosure	DPT52 MS BOX 73X72X40mm Brick Wall Concealed Box 95X79X50mm	ABS Plastic Box with SS back plate
Dimensions	DPT52 MS BOX 73X72X40 Brick Wall Concealed Box 95X79X50	Box- 135x75x40mm Back Plate- 165x75x1.2mm
Face Plate	SS 304	No
Mounting	Modular wall & Brick wall Mounting	On Wall Mounting
Weight	0.25 Kg(Approx)	

Environmental

Operating Temperature Range	5-50°C
Humidity	10-95%RH. Non-Condensing
Environmental Ranges	Air & Neutral gases

Ordering Information for DPT52				
DPT-52	**X**	**X**	**X**	**X**
Model no	**Enclosure Type**	**Output type**	**Display type**	*** Sensor Range**
DPT-52	R – NFLP	1 – RS485 Communication (Proprietary/Modbus)	0 – No Display, No Alarms	X – ±100.0mmWC / ±1000 Pascal
		2 – 4-20mA	1 –Display, with Alarms	1 – ±200.0mmWC / ±2000 Pascal
		3 – Relay		2 – ±12.5mmWC / ±125Pascal
		4 – RS485+Relay		
		5 – Dual 4-20mA		

Note: Specify units Pascal / mmWC

MECHANICAL DRAWING OF DPT52-R-X-X-X