

PRESSURE / VACCUM CONTROLLER



PIN - 317
PANEL MOUNTING



PIN - 317 - WP
WEATHERPROOF

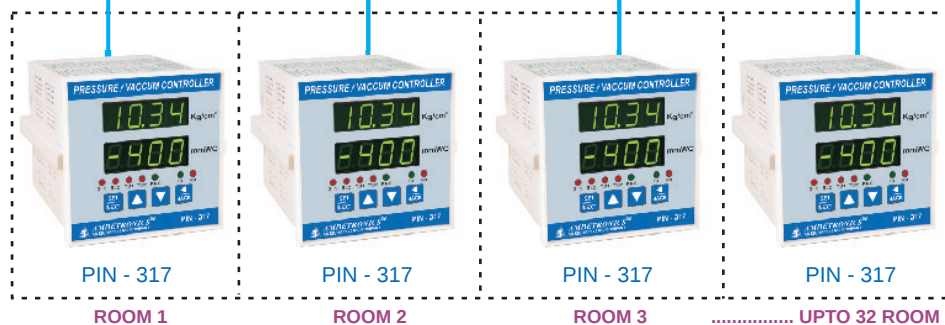


PIN - 317 - FLP
FLAMEPROOF

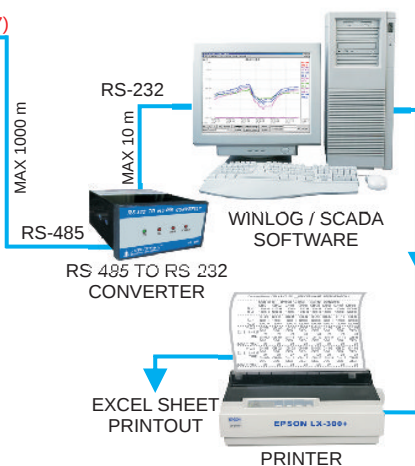
ILLUSTRATION

Remote Area

MULTIDROP MODBUS RTU PROTOCOL RS - 485 PORT 1000 MTR. MAX. (UP TO 32 NOS. OF PIN-317)



Safe Area/Control Room



FEATURES

- ✦ Highly Accurate Fast & Reliable Sensing Technology
- ✦ User Programmable With Password Protection
- ✦ Easy Programming With Front Panel Push Buttons
- ✦ Software Calibration
- ✦ 4 Digit Dual L.E.D Display ;
CH-1:Upper Display For Indication Of Pressure In Any Units
CH-2:Lower Display For Indication Of Pressure In Any Units
- ✦ Excellent Long Term Stability & Spike Protected
- ✦ Two Relay O/Ps, Each For CH-1 & CH-2
- ✦ Adjustable Time Delay For Operation Of The Relays
- ✦ Two 4 - 20 mA O/Ps, one each for CH-1 & CH-2
- ✦ Modbus RTU Protocol with Isolated RS-485 Communication

APPLICATIONS

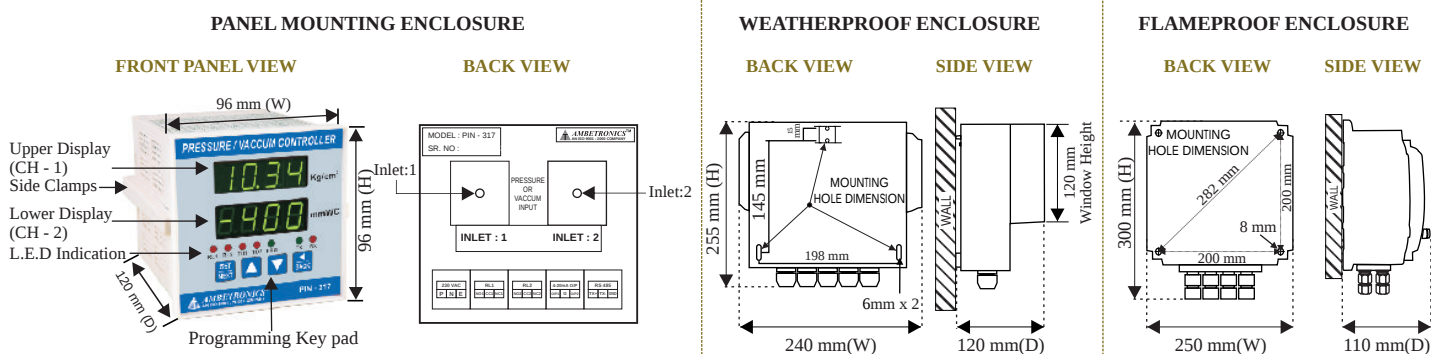
- ✦ Industrial Controls
- ✦ Pneumatic Controls
- ✦ Medical Instrumentation
- ✦ Barometry
- ✦ Medical Equipment
- ✦ Respiration
- ✦ HVAC
- ✦ Level Detection
- ✦ Flow Measurement
- ✦ Environmental Control
- ✦ Volume OEM Application
- ✦ Duct Static Pressure
- ✦ Dust Collectors
- ✦ Glove Box Pressure
- ✦ Bubbler Systems
- ✦ Cabinet Purging
- ✦ Industrial Ovens

MUST FOR YOUR PROCESS

TECHNICAL SPECIFICATIONS

Input	2 NO X Pressure OR Vacuum in Kg/cm ² , mBAR, BAR / Kg, mmHg, mmH ₂ O, PSI ; as per customer requirement		
Range	As per the range selected by user		
Resolution	0.001, 0.01, 0.1, 1; programmable by user		
Accuracy	± 0.25% of Full Scale		
Display	Upper : CH - 1, 4 Digit, 0.56" (13 mm), 7 segment GREEN L.E.D display Lower : CH - 2, 4 Digit, 0.56" (13 mm), 7 segment GREEN L.E.D display		
L.E.D. Indication	TD1 & TD2 for Time Delay, RL1 & RL2 for Relays, TX & RX for Communication, PRG to show 'User' in programming Mode		
Set point	Two Independent set points, one each for RL1 & RL2 with programmable Latch & Non-Latch facility		
Hysteresis	0 To 10, Individual setting for RL1 & RL2		
Control action	LO - HI, HI -LO, LO -Very LO, HI - Very HI; Programmable by user		
Time delay	0 To 9999 sec, Independent setting for RL1 & RL2 to operate after the 'Process Value' crosses the 'Set point Value'		
Relay contact type	1 NO/C/NC Relay contact Rated 230 VAC / 5A For RL1 & RL2		
Configuration of relay	RL1 operates for CH-1, RL-2 operates for CH-2		
Fault condition	In 'Under', 'Over' OR 'Open' condition i.e. fault condition, Relay can be made OFF or ON; Programmable by user		
Setting	Setting by 4 keys on front panel i.e. 'SET / NEXT', 'UP', 'DOWN' & 'BACK'		
Monitoring : Sensor	i) By Display : Sensor 'Break/Open' shows 'oPen', 'Under' range shows 'Undr' & 'Over' range shows 'ouEr'		
Open / Under / Over	ii) By Retransmission current O/Ps : Up scale current : 21 mA, Down scale current : 3 mA; Programmable by user		
Retransmission output	i) 2 No, 4 - 20 mA or 20 - 4 mA programmable with MAX load 750 ohms for CH-1 & CH-2 ii) Range: - 999 To 9999, Low range / High range: Anywhere in the range (High range > Low range)		
Communication	Modbus RTU Protocol with Isolated RS-485 Communication		
Supply Voltage	230 VAC ± 10% OR 110 VAC ± 10% OR 24 VDC		
Operating Temperature	- 40 To 85 °C		
Relative humidity	Below 95% non condensing		
Enclosure Detail	PANEL MOUNTING (PM)	WEATHERPROOF (WP)	FLAMEPROOF (FLP)
Protection Class	IP - 40	IP- 65	IP-65, CMRI Approved for IIA & IIB Gas group
Cabinet Material	ABS Plastic, Black / White Colour	Polycarbonate, Grey colour	Cast Al. alloy, LM-6 / C.I. Enclosure
Cable Entry	Terminal connector for connection	Thermoplastic cable gland (IP - 68)	Double compression cable gland (Ex-Proof), 3/4" ET-type
Dimension	96 (H) X 96 (W) X 120 (D) in mm	215 (H) X 240 (W) X 120 (D) in mm	300 (H) X 250 (W) X 110 (D) in mm
Cutout	92 (H) X 92 (W) in mm	----	----
Mounting	Panel mounting	Wall Mounting / Stand Mounting	Wall Mounting / Stand Mounting
Weight	Approx. 1.0 Kg	Approx. 2.5 Kg	Approx. 4.0 Kg

DIMENSIONS



ORDERING INFORMATION

PIN - 317	A	B	C	D	E	F
	A) Enclosure 1) Panel mounting 2) Weatherproof (WP) 3) Flameproof (FLP)	B) Input 1) Vacuum 2) Pressure (Specify Pressure Range while ordering)	C) Relay Output 1) None 2) 1 Relay 3) 2 Relay	D) Power supply 1) 230 VAC ± 10% 2) 110 VAC ± 10% 3) 24 VDC	E) Communication 1) None 2) RS - 485 port	F) Retransmission output 1) None 2) 1 No, 4 - 20 mA 3) 2 No, 4 - 20 mA

NOTE : For any customize requirement contact factory

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DEALERS :