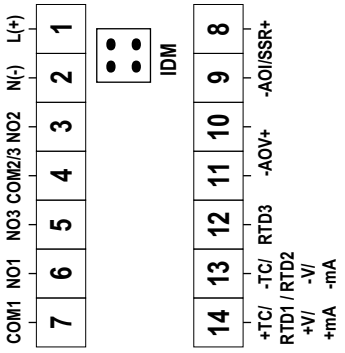
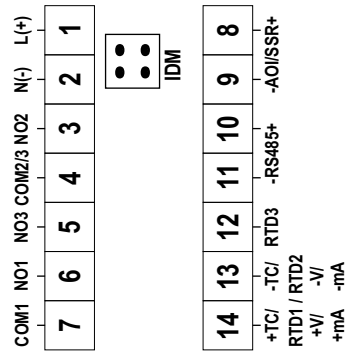
Settings for alarm output	
Modes	Deviation high / low, Absolute high / low, Band, Sensor break
Hysteresis	0.1 to 99.9°
No. of profile program	8
No. of steps in each program	16
Program other profile parameters	Link profiles, Programmable repeat cycles, Power down resume / restart options, Deviation hold, Alarm at each step with configurable alarm duration
Supply voltage	90 to 270V AC / DC (50/60Hz), 24V AC / DC (optional)
Power consumption	6VA max @230V AC
Temperature	Operating : 0 °C to 50 °C (32 to 122 °F); Storage : 20 °C to 75 °C (- 4 to 167 °F)
Humidity (non - condensing)	85% RH
Mounting	Panel
Weight	101 gms
Serial communication	
Interface standard	RS485
Communication address	1 to 99, Maximum of 32 units per line
Transmission mode	Half duplex
Transmission protocol	MODBUS RTU
Transmission distance	500m maximum
Transmission speed	115200, 57600, 38400, 9600, 4800, 2400 bits/ sec
Parity	None, Odd, Even
Stop bits	1 or 2
Response time	100 ms (max and independent of baud rate)

Terminal connections

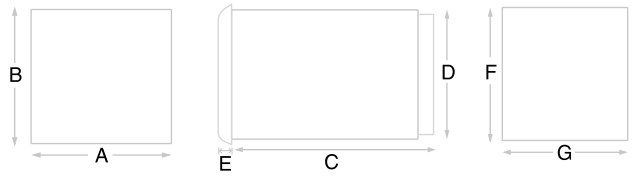
PID500-U-0-X-CU



PID500-U-C-X-CU



Dimensions (All are in mm)



DIM	A	B	C	D	E	F	G
PID500-U	52	52	76	45	4	46	46

Compliance

Applicable EMI / EMC Standards		
Product standard : IEC 61326-1		
Category		**Standard compliance**
ESD Immunity	IEC 61000-4-2	Level III
Surge Immunity	IEC 61000-4-5	+/- 2 kV common mode, +/- 1 kV differential mode
Radiated susceptibility	IEC 61000-4-3	Level III, 80 to 1000MHz Level II, 1.4GHz to 2GHz Level I, 2GHz to 2.7GHz
Conducted susceptibility	IEC 61000-4-6	Level II

Applicable EMI / EMC Standards		
Product Standard : IEC 61326-1		
Category		**Standards Compliance**
Voltage dips and interruptions	IEC 61000-4-11	**Dips** : 0% residual voltage / 1 cycle (Criteria B), 40% residual voltage / 10 cycles 50Hz / 12 cycles 60Hz (Criteria C)70% residual voltage / 25 cycles50Hz / 30 cycles 60Hz (Criteria C) **Interruptions** : 0% residual voltage / 250 cycles 50Hz / 300 cycles 60Hz (Criteria C)
Conducted emission	CISPR-11	
Radiated emission	CISPR-11	
Electrical fast transient	IEC 61000-4-4	Level III

Ordering information

PID500-U-0-1-CU	Universal	90 - 270 VAC / DC	- - -	c us
PID500-U-C-1-CU	Universal	90 - 270 VAC / DC	YES	c us