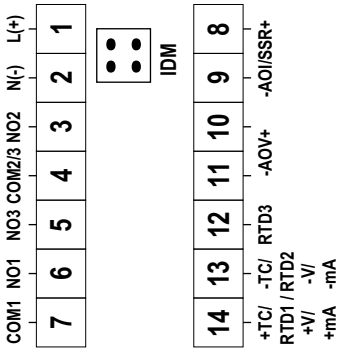
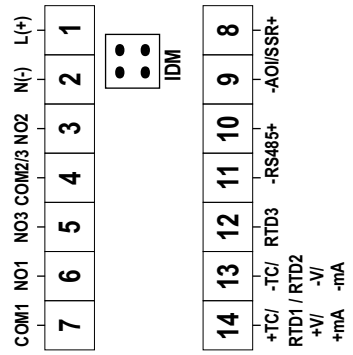
| Settings for alarm output | |
|---|---|
| Modes | Deviation high / low, Absolute high / low, Band, Sensor break |
| Hysteresis | 0.1 to 99.9° |
| No. of profile program | 8 |
| No. of steps in each program | 16 |
| Program other profile parameters | Link profiles, Programmable repeat cycles, Power 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

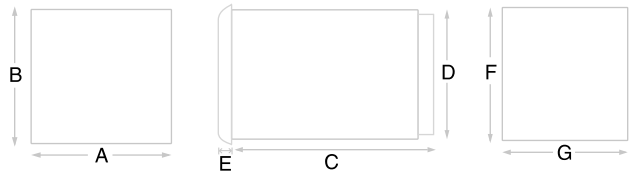
### PID500-U-0-X-CU




### 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,<br>+/- 1 kV differential mode |
| Radiated susceptibility | IEC 61000-4-3 | Level III, 80 to 1000MHz<br>Level II, 1.4GHz to 2GHz<br>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 /<br>1 cycle (Criteria B), 40% residual voltage /<br>10 cycles 50Hz / 12 cycles 60Hz<br>(Criteria C)70% residual voltage /<br>25 cycles50Hz / 30 cycles 60Hz<br>(Criteria C)<br>**Interruptions** : 0% residual voltage /<br>250 cycles 50Hz / 300 cycles 60Hz<br>(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 |