



## Z90D&Z80D&Z60D Series Intelligent PID Controller



### Features

- high measuring accuracy, strong anti-interference
- small size ,light weight
- diverse control output
- PID output regulation
- two-way relay output

### Applications

chemical fiber industry  
injection molding industry  
rubber industry  
constant pressure water supply  
pressure system

### Description

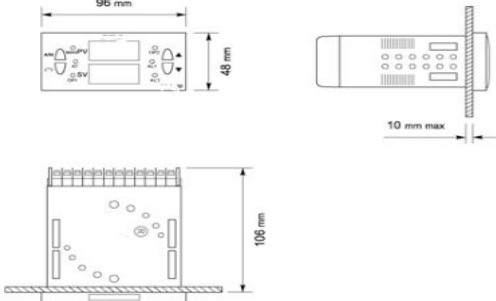
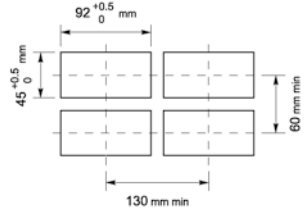
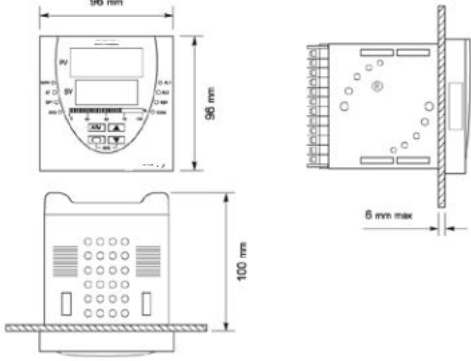
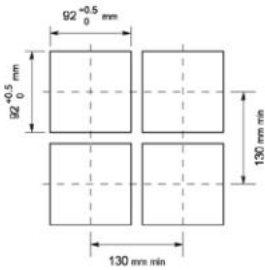
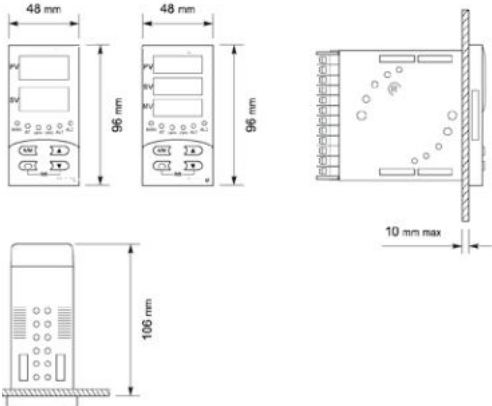
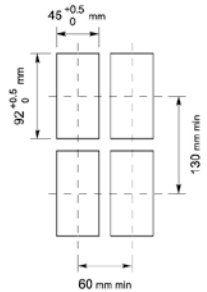
The intelligent PID pressure controller is a kind of superior reliable single-circuit intelligent PID pressure regulating instrument. It can be used in the industrial process automation control like conventional temperature control, flow rate control, liquid level pressure control, etc. outputting through current, voltage, SSR drive, one-phase/three-phase SCR phase-shift/zero passage, relay, etc. to realize quantitative programming curve control.

### Technical Parameters

| Items         | Parameters  |
|---------------|---|
| Displayer     | double-row four-digit highly bright LED digital display       |
| Resolution    | 0.001   |
| Range         | -1999...9999(decimal point variable)                          |
| Accuracy      | 0.2%F.S   |
| Power Supply  | 110-240VAC, 20-32VDC  |
| Signal Input  | 2mv/V, 4-20mA, 0-5V, 0-10V                                    |
| Signal Output | 4-20mA, 0-5V, 0-10V, relay output, RS485, RS232 communication |
| Working Temp  | -10-50℃   |



## External Dimension

|                       | External Dimension  | Hole Size   |
|-----------------------|---|---|
| Panel Size 96 x 48 mm |    |     |
| Panel Size 96 x 96 mm |   |   |
| Panel Size 48 x 96 mm |  |  |



## Ordering Guide

| Series Code          |                         | Z | X   | X  | X  | X  | X  | X     | X     |
|----------------------|-------------------------|---|-----|----|----|----|----|-------|-------|
| Size                 | Square 96*96            |   | 90D |    |    |    |    |       |       |
|                      | Vertical 48*96          |   | 80D |    |    |    |    |       |       |
|                      | Transverse 96*48        |   | 60D |    |    |    |    |       |       |
| Power Supply         | 110V~240VAC             |   |     | V1 |    |    |    |       |       |
|                      | 20~32Vdc                |   |     | V2 |    |    |    |       |       |
| Pressure Range       | XMPa                    |   |     |    | Mx |    |    |       |       |
| Signal Input         | 2mV/V                   |   |     |    |    | S2 |    |       |       |
|                      | 4~20mA                  |   |     |    |    | S4 |    |       |       |
|                      | 0~10Vdc                 |   |     |    |    | S5 |    |       |       |
|                      | 0~5Vdc                  |   |     |    |    | S6 |    |       |       |
| PID Signal Output    | none                    |   |     |    |    |    | H0 |       |       |
|                      | 4~20mA                  |   |     |    |    |    | H1 |       |       |
|                      | 0~10Vdc                 |   |     |    |    |    | H2 |       |       |
|                      | 0~5Vdc                  |   |     |    |    |    | H3 |       |       |
| Relay Output         | None                    |   |     |    |    |    |    | Blank |       |
|                      | one-way replay output   |   |     |    |    |    |    | K1    |       |
|                      | two-way replay output   |   |     |    |    |    |    | K2    |       |
|                      | three-way replay output |   |     |    |    |    |    | K3    |       |
| Communication Output | None                    |   |     |    |    |    |    |       | Blank |
|                      | RS485                   |   |     |    |    |    |    |       | T4    |
|                      | RS232                   |   |     |    |    |    |    |       | T2    |
|                      | Mod-Bus                 |   |     |    |    |    |    |       | TM    |