DIGITAL PRESSURE CONTROLLER METER 2.5"

MODEL SPD3

■ FEATURES

- Auto. change red or green display when alarm status changes
- Accuracy0.25% F.S.
- Thick film strain gage on ceramic and stainless steel(SUS316)
- Display pressure units bar, Kg/cm^2,KPa,MPa,PSI,mmHg,inHg can be modified
- Dual alarm function (optional)
- 16 bit DAC analog output function (optional)
- Digit RS-485 interface function (optional)
- Protection class NEMA4/IP65,need enclosure don't directly used outdoors

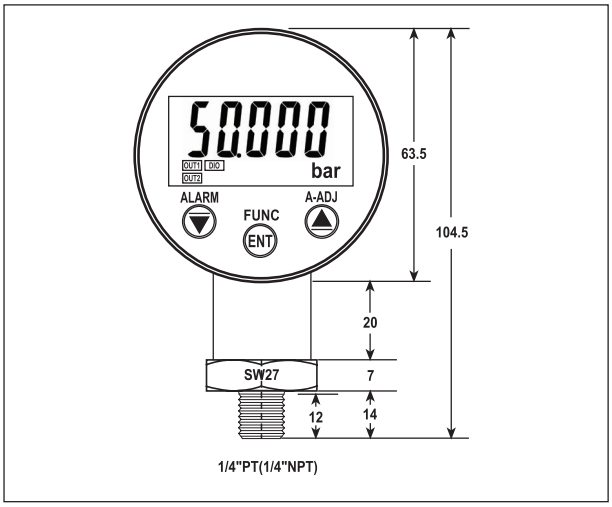
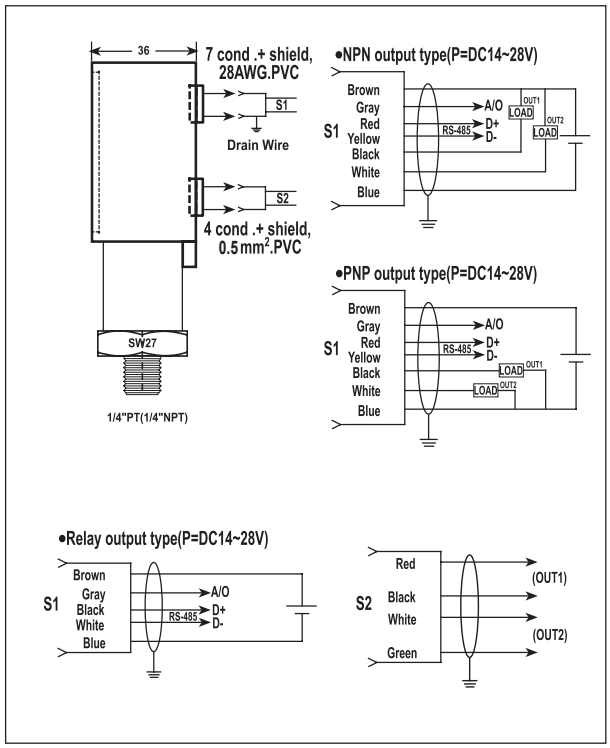
1.MODEL:SPD3-□ □ □ □ □ □

NO	Pressure Range	NO	Alarm Output	NO	Analog Output	NO	RS-485 Output	NO	Pressure connection	NO	Cable length
1	-1~2 bar	0	None	0	None	N	None	1	1/4"PT	2	2M(standard)
2	-1~10 bar	1	Two tr.(NPN)	1	DC1~5V	Y	RS-485	2	1/4"NPT	9	Customer
3	-1~50 bar	2	Two tr.(PNP)	2	DC4~20mA		•Modbus mode •256 nodes on bus	3	1/2"NPT		
4	0~250 bar	3	Two Relay	9	Customer						

2.SPCIFICATION

- Supply voltage(Power consumption) :DC 14 to 30V(<1.26VA)
- Measuring accuracy : 0.25% F.S.
- Readout (compare) range : –19999~99999 digit
- Indication(sampling) cycle : 0.1s~9.9s canbe modified
- Maximun permissible over pressure : Maximum 2 x rated (<60Bar)
  Maximum 1.5 x rated (>60Bar)
- Burst pressure : 3 x rated (<160Bar)
  1.8 x rated (>250Bar)
- Relay output mode : HI/LO/GO/HL can be modified
- Relay contact output : AC250V-2.5A,DC30V-5A
- Transistor output : Max. DC60V/100mA
- Analog output resolution : 16 bit DAC
- Response time : < 50ms(0~90%)
- Output drive capability : <10mA for voltage mode
  <10V for current mode
- RS-485 address : "01"~"FF"(0~255)
- RS-485 baud rate : 19200/9600/4800/2400 selective
- RS-485 protocol : Modbus RTU mode
- Thermal span shift : ±0.05% F.S./10℃
- Thermal zero shift : ±0.05% F.S./10℃
- Zero point long term stability (23 ± 5℃) : ±0.1% F.S./year(<60 Bar)
  ±0.15% F.S./year(>60 Bar)
- Display : Bright red/green LEDS high 10.16mm (0.4")
- Parameter setting : Touch switches
- Memory mode : Non-volatile E^2 PROM memory
- Diaphragm materials : Ceramic Al2O3-96%
- Pressure port materials : Stainless steel 1.4401(SUS316)
- Seale(media wetted)materials : NBR<16Bar
  PVDF>16Bar
- Display housing materials : NYLON66+PBT+15%GF(UL94V-0)
- Operating temperature range : -10 to 60℃
- Storage & medium temperature range : -30 to 80℃
- CE EMC Certification : EN 55022:1998/A1:2000 Class A
  EN 61000-3-2:2000
  EN 61000-3-3:1995/A1:2001
  EN 55024:1998/A1:2001

3.DIMENSION(unit:mm)



4.CONNECTION DIAGRAM