

| Input (Digital) | |
|-----------------------|---|
| Input voltage | 24 VDC (20.5 ~ 28.5) - single common port input |
| Input Current (± 10%) | 5mA (4.5mA ~ 5.5mA) |
| Input No . | X0 ~ X3 |
| Input type | DC (SINK or SOURCE) |
| Action Level (on) | Input voltage > 16 VDC |
| Action Level (off) | Input voltage < 14.4 VDC |
| Response Time (on) | < 10µs |
| Response Time (off) | < 30µs |
| Power consumption | 2 W |
| Insulation resistance | 5MΩ (all I/O point-to-ground: 500VDC) |

Output (Transistor)

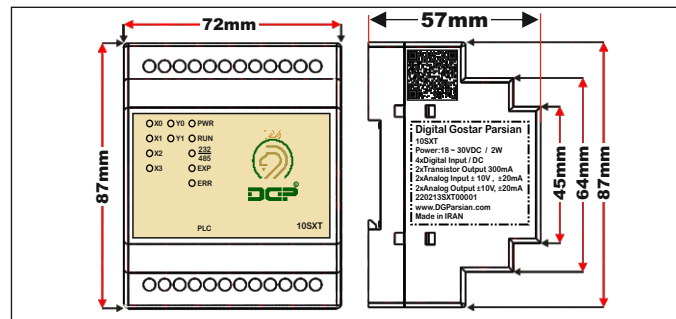
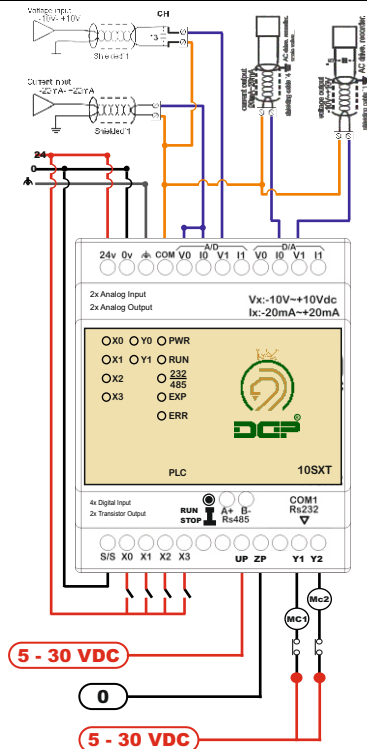
| | |
|-----------------|--|
| Output No . | Y0 ~ Y1 |
| Maximum Loading | 9W/1point when the Output of Y0 and Y1 is high-speed pulse, Y0 and Y1 = 0.9W (Y0 = 32 kHz, Y1 = 10kHz) |
| Working voltage | 250VAC, < 30VDC |
| Output Current | 0.3A/1 point @ 40 °C; when the output of Y0 and Y1 is high-speed pulse Y0 and Y1 = 30 mA |
| Response Time | Off > On: 20µs / on > off: 20µs Y0 and Y1 are specified points for high-speed pulse |


Analog Input (A/D)

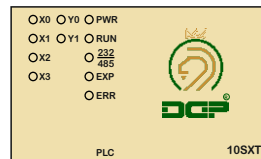
| | |
|-------|--|
| Point | 2 |
| Type | -20~20mA Range(-1000~+1000) -10~+10V Range(-2000~+2000) |

Analog Output (D/A)

| | |
|------------|--|
| Point | 2 |
| Type | -20~20mA Range(-2000~+2000) -10~+10V Range(-2000~+2000) |
| Resolution | 12 bits |



| Description | Product plate inserting information | Line |
|---|---|------|
| By scanning the barcode, certain information such as website address, email address and phone number will be provided to you. |  QR Code | 1 |
| PLC manufacturer | Digital Gostar Parsian | 2 |
| PLC model | 10SXT | 3 |
| Product's permissible voltage limits/Power consumption | Power: 18 ~ 30 VDC / 3W | 4 |
| 4 Digital input/Direct current | 4xDigital Input / DC | 5 |
| 2 Transistor output/300mA | 2xTransistor Output 300mA | 6 |
| 2 Analog inputs (±20mA) (±10V) | 2xAnalog Input ± 10V , ±20mA | 7 |
| 2 Analog outputs (±20mA) (±10V) | 2xAnalog Output ±10V, ±20mA | 8 |
| 1.Production year 2.Production month 3.Production day 4.PLC model 5.The number of the manufactured PLC | 220213SXT00001 22 02 13 SXT 00001 1 2 3 4 5 | 9 |
| The original website of the PLC manufacturer | www.DGParsian.ir | 10 |
| Manufactured in Iran | Made in Iran | 11 |



Usage of LED indicators

| Description | LED |
|---|------------|
| By activation of each input, the respecting LED turns on | X0 ~ X3 |
| By activation of each output, the respecting LED turns on | Y0 ~ Y1 |
| Stands for POWER and it turns on once the input voltage is applied | PWR |
| When the PLC is ready for operation, this LED turns on. | RUN |
| This LED turns on when connected to either of the networks | RS 232/485 |
| This LED is inactive | EXP |
| Once the voltage violates the permissible limits, this LED turns on | ERR |

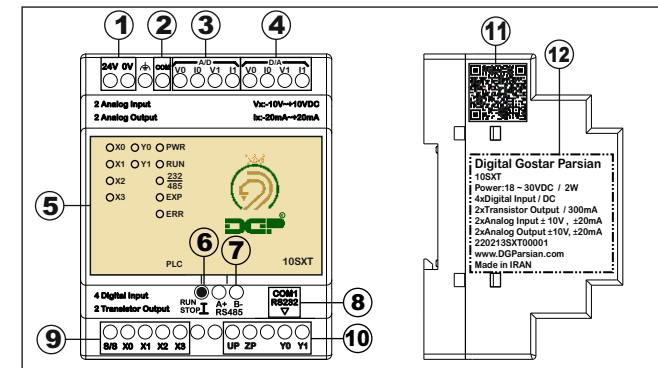
Programmed by the official software WPLsoft
 24V-DC input voltage
 Equipped by two networks Rs485/Rs232
 Count of digital inputs 24V: 4
 Count of Transistor outputs of 300mA industrial: 2
 Count of analog inputs (±20mA) (±10V): 2
 Count of analog outputs (±20mA) (±10V): 2
 LED displays the status of inputs/outputs
 Capability to expand the number of inputs/outputs
 Communication capability by HMI
 Contains a Run/Stop key
 Utilizing ARM microcontroller
 Shared programming cable with Taiwanese Delta

Warning:

Applying excessive force to terminal screws will damage the terminals.

Warranty:

- * This product comes with a one-year replacement warranty and after-sales service.
- * The warranty will be void if any of the following conditions occur:
 - Applying voltage beyond the allowed limit
 - Exceeding the allowed current from digital outputs
 - Deformation caused by breakage, impact, and excessive heat
 - Changing or replacing parts by unauthorized personnel
 - Exposure to corrosive liquids and gases



| | |
|-----------------|---------------------------|
| 1.Input voltage | 2.Com |
| 3.analog inputs | 4.analog outputs |
| 4.LED indicator | 6.RUN/STOP button |
| 7.Rs485 network | 8.Rs232 network (program) |
| 9.Digital input | 10.Transistor output |
| 11.QR-Code | 12.PLC plate |