## 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 (Relay)

Output No .	Y 0 ~ Y 1
Maximum Loading	75VA (inductive)
	90 W(Resistive)
Working voltage	250VAC, < 30VDC
Output Current	10A
Response Time	About 10 ms

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

72mm   57mm   87mm   45mm   64mm   87mm

Digital Gostar Parsian
10SXR
Power:18 ~ 30VDC / 2W
4xDigital Input / DC
2xRelay Output / 10A
2xAnalog Input ± 10V , ±20mA
2xAnalog Output ±10V, ±20mA
220213SXR00001
www.DGParsian.com
Made in IRAN
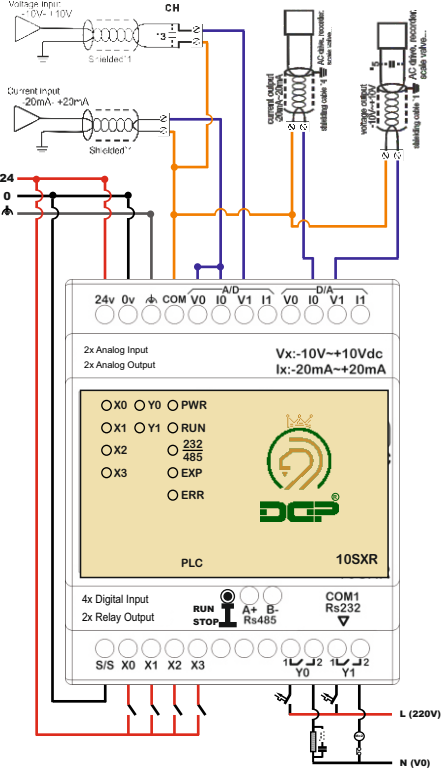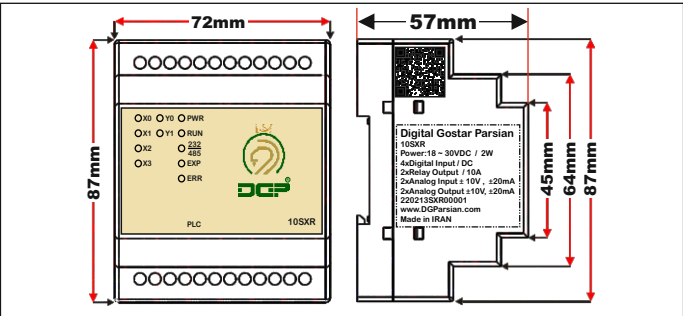
Description	Product plate inserting information	Line
By scanning the barcode, certain information such as website address, email address and phone number will be provided to you.	QR Code	1
PLC manufacturer	Digital Gostar Parsian	2
PLC model	10SXR	3
Product's permissible voltage limits/Power consumption	Power: 18 ~ 30 VDC / 3W	4
4 Digital input/Direct current	4xDigital Input / DC	5
2 Relay output/10A	2xRelay Output / 10A	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	220213SXR00001 22 / 02 / 13 / SXR / 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
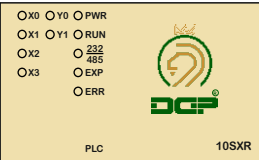
## Usage of LED indicators

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 relay outputs of 10A 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

Digital Gostar Parsian
10SXR
Power:18 ~ 30VDC / 2W
4xDigital Input / DC
2xRelay Output / 10A
2xAnalog Input ± 10V , ±20mA
2xAnalog Output ±10V, ±20mA
220213SXR00001
www.DGParsian.com
Made in IRAN
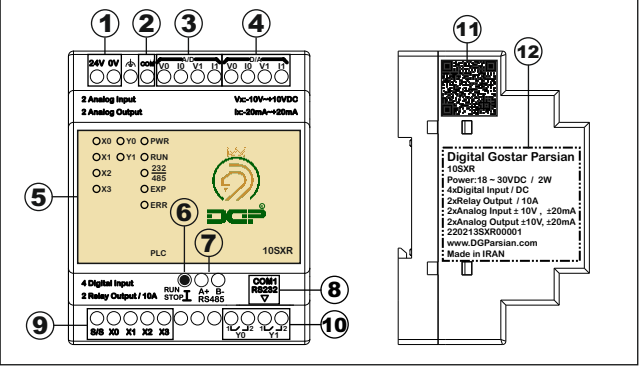
1.Input voltage	2.Com
3.analog inputs	4.analog outputs
4.LED indicator	6.RUN/STOP button
7.Rs485 network	8.Rs232 network (program)
9.Digital input	10.Relay output
11.QR-Code	12.PLC plate