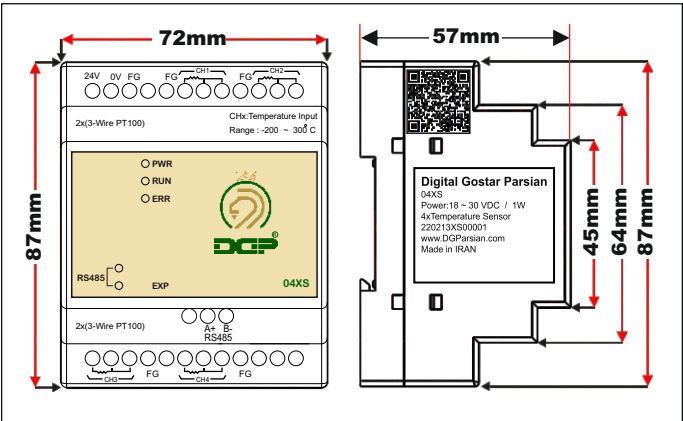
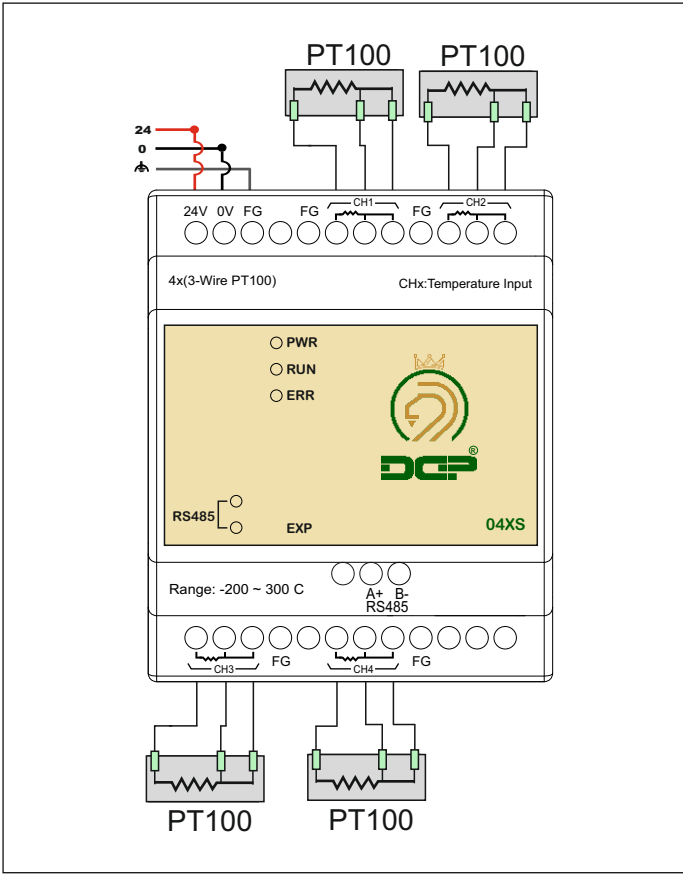

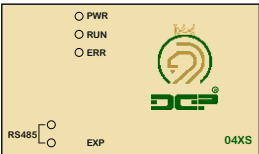


Platinum Temperature Module (04XS)	Centigrade (° C)
Sensors type	24 VDC (20.4VDC~26.4VDC) ( ~15%~+10%)
Analog input channel	4 channels per module
Sensors type	3-WIRE PT100Q 3850 PPM°C(DIN 43780 JIS C1804-1989)
Current excitation	1 mA
Temperature input range	-200 °C ~ 300 °C
Digital conversion range	K-2000~K3000
Resolution	12 bits(0.1° C)
Overall accuracy	±0.5% of full scale of 25°C(77°F), ±1% of full scale during 0~55°C (32~131°F)
Response time	200 ms × channels
Isolation method	Isolation between digital and analog circuitry. There is no isolation between channels.
Digital data format	2's complement of 16-bit, (13 Significant Bits)
Average function	Yes (CR#2~CR#5 may be set and the range is K1~K4096)
Self diagnostic function	Yes
Communication mode (RS-485)	MODBUS ASCII or RTU Mode. Communication baud rate 4800 / 9600 / 19200 / 38400 / 57600 / 115200. For ASCII mode, date format is 7Bits, even, 1 stop bit (7 E 1), while RTU mode, date format is 8Bits, even, 1 stop bit (8 E 1).
Connection to a DGP-PLC MPU in series	If DGP 04XS modules are connected to MPU, the modules are numbered from 0 ~ 7. 0 is the closest and 7 is the furthest to the MPU. 8 modules is the max and they do not occupy any digital I/O points of the MPU.



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										
EXP manufacturer	Digital Gostar Parsian	2										
EXP model	04XS	3										
Product's permissible voltage limits/Power consumption	Power: 18 ~ 30 VDC / 3W	4										
Four 3-string-wire temperature inputs	4x Temperature Sensor	5										
1.Production year 2.Production month 3.Production day 4.EXP model 5.The number of the manufactured EXP	220213XS00001 <table><tr><td>22</td><td>02</td><td>13</td><td>XS</td><td>00001</td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr></table>	22	02	13	XS	00001	1	2	3	4	5	6
22	02	13	XS	00001								
1	2	3	4	5								
The original website of the EXP manufacturer	www.DGParsian.ir	7										
Manufactured in Iran	Made in Iran	8										



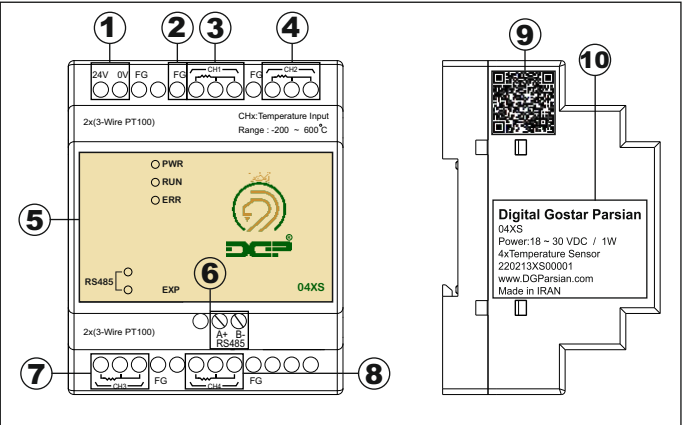
Usage of LED indicators

Description	LED
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
Once the voltage violates the permissible limits, this LED turns on	ERR
When using the Rs485 communication network, this LED turns on	RS485

Capable of connecting to all PLCs of green membrane  
24V-DC input voltage  
Equipped with RS485 network for remote control capability  
Four 3-string-wire temperature inputs  
Temperature measurement from -200C up to 300C  
Temperature measurement accuracy 0.1C  
LED displays the status of network

**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.Earth
3.First temperature input	4.Second temperature input
5.LED indicator	6.Rs485 network
7.third temperature input	8.fourth temperature input
9.QR-Code	10.EXP plate

DGP 04XS Temperature Sensors					Explanation																
CR No	RS-485 Parameter Address	Latched		Register Name	b16	b15	b14	b13	b12	b11	b10	b9	b8	b7	b6	b5	b4	b3	b2	b1	b0
#0	H4064	○	R	model type	System used, data length is 8 bits (b7~b0). DGP 04XS model code= H 8A																
#1	Reserved																				
#2~5	H4066 ~ H4069	○	R/W	CH1 ~ CH4 average number	The number of readings used for the Calculation of "average" Temperature on channels CH1~CH4. Setting range is K1~K4096 and factory setting is K10.																
#6~9	H406A~H406D	×	R	CH1 ~ CH4 average degrees( C )	Display average Degrees for CH1~CH4 (unit 0.1 Degrees C)																
#10~11	Reserved																				
#12~15	H4070~H4073	×	R	CH1 ~ CH4 average degrees( F )	Display average Degrees for CH1~CH4 (unit 0.1 Degrees F)																
#16~17	Reserved																				
#18~21	H4076~H4079	×	R	CH1 ~ CH4 Present Temperature ( C )	Display Present Temperature for CH1~CH4 (unit 0.1 Degrees C)																
#22~23	Reserved																				
#24~27	H407C~H407F	×	R	CH1 ~ CH4 Present Temperature ( F )	Display Present Temperature for CH1~CH4 (unit 0.1 Degrees F)																
#28~30	Reserved																				
#31	H4083	○	R/W	Communication address setting	RS-485 communication address. Setting range is K1~K255 and factory setting is K1																
#32	H4084	○	R/W	Communication baudrate setting	Communication baud rate (4800, 9600, 19200, 38400, 57600 and 115200 bps). For ASCII mode, date format is 7Bits, even, 1 stop bit (7 E 1). For RTU mode, date format is 8Bits, even, 1 stop bit (8 E 1). b0: 4800 bps (bit/sec) b1: 9600 bps (bit/sec), (factory setting) b2: 19200 bps (bit/sec). b3: 38400 bps (bit/sec). b4: 57600 bps (bit/sec). b5: 115200 bps (bit/sec). b6~b13: Reserved. b14: switch between low bit and high bit of CRC code (only for RTU mode) b15: RTU mode																
#33	H4085	○	R/W	Reset to Factory Settings	b15	b14	b13	b12	b11	b10	b9	b8	b7	b6	b5	b4	b3	b2	b1	b0	
					Reserve				CH4			CH3			CH2			CH1			
					Example: Setting of CH1 1.b0: Reserved 2.b1: Reserved 3.b2: Set to 1 and PLC will be reset to factory settings																
#34	H4086	○	R	Software Version	Display software version in hexadecimal. Example: H 010A = version 1.0A																

○ means latched.

× means non-latched.

R means can read data by using FROM command or RS-485.

W means can write data by using TO command or RS-485.