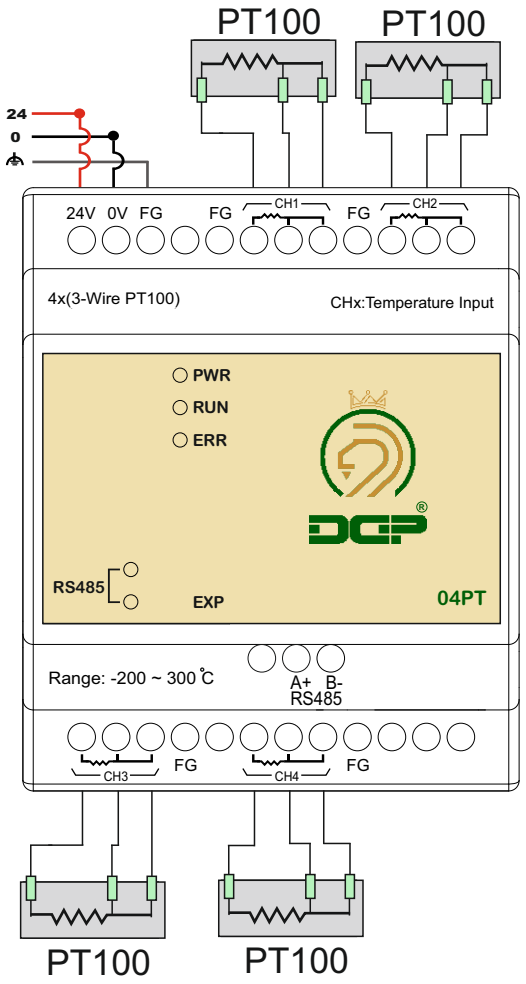
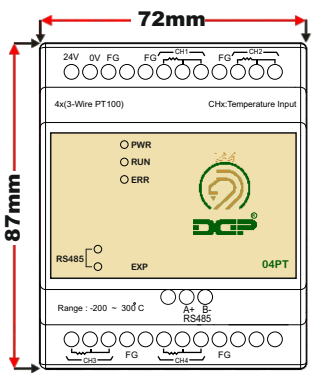
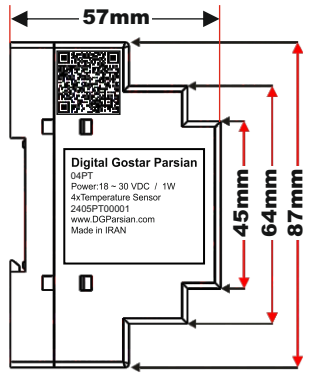
DGP 04PT

Platinum Temperature Module (04PT)	Centigrade (°C)	Fahrenheit (°F)
Power supply voltage	24 VDC (18 ~ 30 VDC) (-15%~+20%)	
Analog input channel	4 channels per module	
Sensors type	3-WIRE PT100Ω 3850 PPM/°C(DIN 43760 JIS C1604-1989)	
Current excitation	1 mA	
Temperature input range	-200℃ ~ 300℃	-328℃ ~ 572℃
Digital conversion range	K-2000~K3000	K-3280~K5720
Resolution	(0.1℃)	(0.18°F)
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). RS-485 is disabled when the DGP 04PT is connected in series with an 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	۱
EXP manufacturer	Digital Gostar Parsian	۲
EXP model	04PT	۳
Product's permissible voltage limits/Power consumption	Power: 18 ~ 30 VDC / 3W	۴
Four 3-string-wire temperature inputs	4x Temperature Sensor	۵
1.Production year 2.Production week 3.Expansion card model 4.Sequence of production for expansion card	2405PT00001 24 | 05 | PT | 00001 1 | 2 | 3 | 4	۶
The original website of the EXP manufacturer	www.DGParsian.ir	۷
Manufactured in Iran	Made in Iran	۸

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

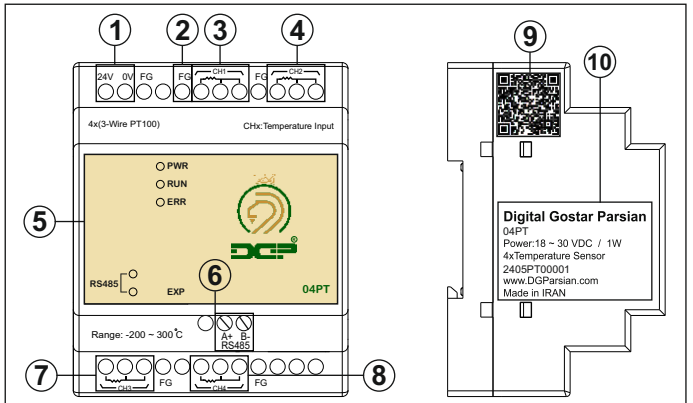
Capable of connecting to all PLCs of green membrane
24V-DC input voltage
Equipped with RS485 network for remote control capability
Four 3-string-wire temperature inputs
Temperature measurement from -200C up to 300C
Temperature measurement accuracy 0.1C
LED displays the status of network

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