

Temperature Protection Relay

Energom-S digital temperature protection relay can replace the traditional bimetallic control switch, design to automatically control the install enclosure inside temperature & humidity variation within a specific range, reliable design can be used in the worst environment for long-term use. It is the ideal product to protect the normal efficient operation of electric equipment and to reduce cost.

With LED / LCD display, and optional RS485 communication port for remote monitoring. Optional customized control logic design, can be used in other place need of temperature and humidity control.

Main Features

- Standard panel size 48x48mm / 72x72mm
- Optional 35mm DIN rail (only 48X48mm mode)
- 0.39" height LED, prevent dazzle, highly visible display
- Heat/Fan control mode free to configuration
- Self calibration technology, keep stabilization
- Products package include temperature / humidity probe



Technical characteristics

Power supply:	
Standard	85~265VAC 50/60Hz
Optional	24/48DC
Power consumption	<5VA
Input signal:	
Input signal channel	Max 2 channels
Temperature sensor	NTC (-20~99C) or customer request
Humidity sensor	Digital type (0~99RH) or customer request
Sampling ratio	400ms
Control output port:	
Output channel	Max 2 channels
Relay	250VAC, 5A (10A optional)
Other port:	
Linear output	DC 4~20mA/0~5V optional
Alarm output	Passive nodes
Communication output	RS-485 MODBUS RTU, 4800/9600bauds
Other output port:	
IP protect	40
Isolation:	
Test voltage	Galvanic isolation between input, output circuits and auxiliary supply 1.5KV RMS 50 Hz for 1 minute
Ambient temperature:	
Operating	-10~55C
Storage	-40~70C, 20 ~ 93%RH ; No condensing



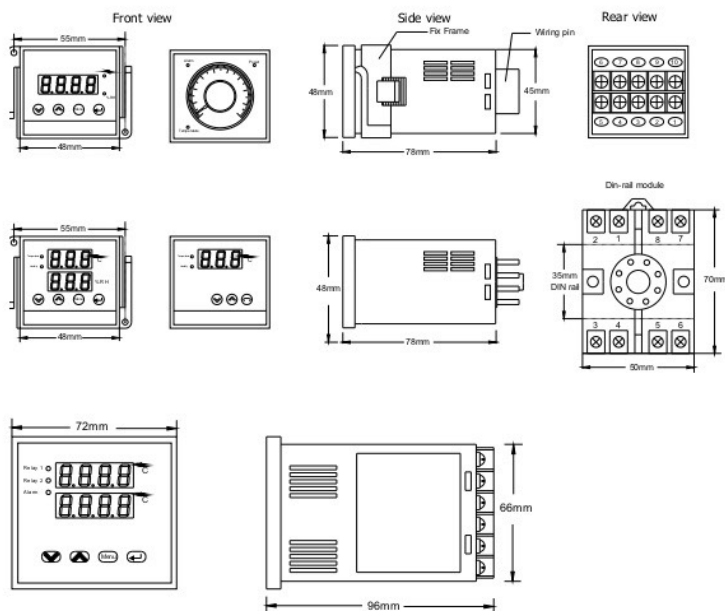
Ordering Information

Energom- S **1** - W**2**S**3**-**4**-**5**-**6**

Series Name	Optional Type
1 panel size	42: For 72(W) x 72(H) x 96(D)mm Blank: standard 48(W) x 48(H) x 90(D)mm
2 temperature signal in	1: one channel temperature sensor input 2: two channel temperature sensor input
3 humidity signal in	1: one channel humidity sensor input 2: two channel humidity sensor input
4 control output	K1: one channel output K2: two channel output
5 communication port	R: one channel RS-485 communication port Blank: without this function
6 sensor type	Blank: NTC sensor(0.2% accuracy) T: thermocouple (-K, -J, -T, -E, -N, -R, -S, -B, -L, -U, -YXK) P: platinum RTD (-PT100- PT1000) L: linear signal (0~5V, 0~10V, 0~20mA, 4~20mA, 0~50mV)

Install Dimensions

Unit: mm



Install diagrams

