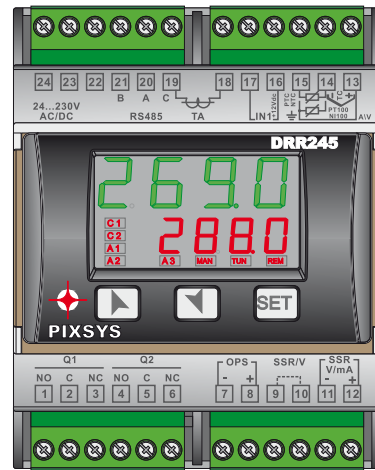


WIRING PLAN



DRR245

Multisetpoint controller / Signals converter



Main features

Box	DIN43880, DIN EN50022 rail mounted
Power supply	24..230Vac/dc $\pm 15\%$ 50/60 Hz (galvanically isolated)
Consumption	3 W
Display	4 digits 0,4" green + 4 digits 0,3" red
Operating conditions	Temperature 0-45 °C, humidity 35..95 RH%
Material	Box: Polycarbonate V0; Front panel: Silicon V0
Weight	Approx. 195 g
Sealing	IP65 (Front panel), IP20 (Box and Terminal blocks)
Quick set-up options	Memory Card with / without battery, software LABSOFTVIEW, EASY-UP codes
Wiring	With terminal extension

Inputs

1 configurable	Selection TC, K, J, S, R, PT100, PT500, PT1000, Ni100, PTC1K, NTC10K (B 3435K), 0/4..20 mA, 0..10 V, 0..40mV, Potentiometer 1..6/160 Kohm, T.A (1024 points)
Sampling time	Programmable up to 4,1 ms (Frequency up to 242 Hz)
1 T.A. input	Selection T.A. 50 mA - 100 ms - 1024 points
1 Digital input	1/2..4 setpoints selection, Hold, Run, Tuning launch, Start/stop cycle

Outputs

2 Relays	Relays 5 A - 250 Vac resistive charge
1 SSR	12 Vdc - 30 mA max
1 Analogue	Selection 4 - 20 mA or 0 - 10 Vdc for command or retransmission PV/SPV
Serial communication	RS485 Modbus RTU - Slave

Software features

Control algorithms	ON - OFF with hysteresis, P., P.I., P.I.D., P.D. time proportioned
Tuning	Manual or automatic
Data protection	Lock Command / alarm setpoint
Alarm modes	Absolute / Threshold, band, High / Low deviation. Loop Break Alarm function
Auto/Man function	Output percentage command also with automatic change in case of sensor failure
Double P.I.D.	Heating / Cooling P.I.D.
Programmer function	Start/Stop pre-programmed cycle with 2/3 steps
Soft-Start	Rising gradient expressed as Degrees / Hour

Ordering codes

DRR245-21ABC-T	1 Analogue input + 2 Relays 5 A + 1Ssr/V/mA + RS485 + TA
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