DRR460
Overview

DIN Rail multiple setpoints controller

Integrated P.I.D. algorithms control
Autotuning function
Modbus RTU or CANopen communication protocols
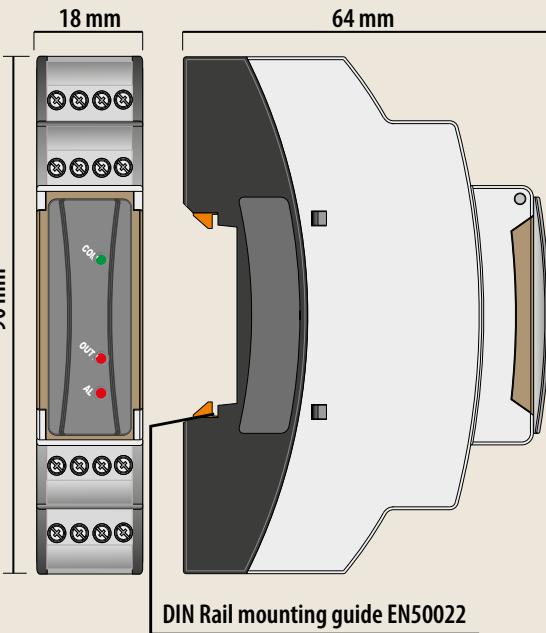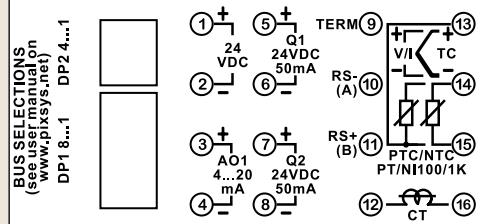
**-T128**   **-CAN**

DRR460-12A-T128

DRR460-12A-CAN

DIN Rail mounting guide EN50022
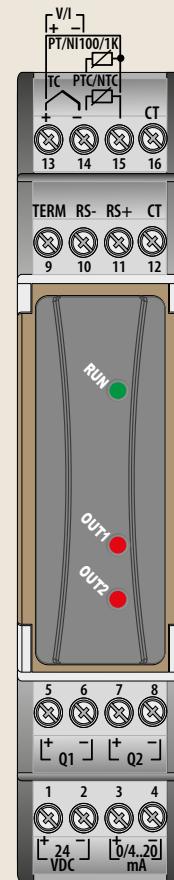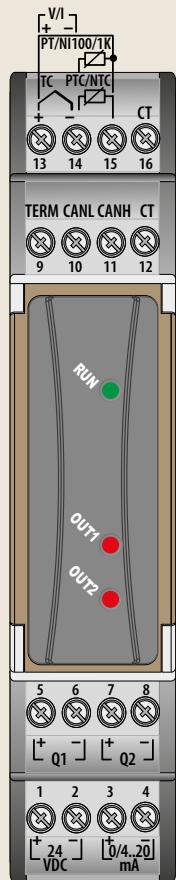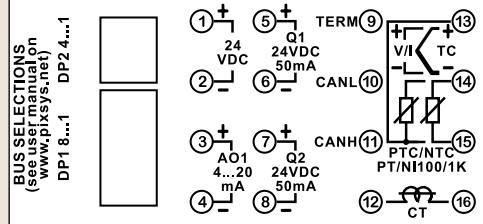
Main features

Box	DIN43880, 18 x 90 x 64 mm
Power supply	24 VDC ±15% - galvanical isolation 1,5KV
Power consumption	Max 3 W
Operating conditions	Temperature 0-45 °C, humidity 35..95 RH%
Material	Box: PC UL94V0 self-extinguishing, front panel: PC UL94V0 self-extinguishing
Weight	Approx. 30 g
Sealing	IP20 (box and terminal bloks)
Quick set-up options	Memory Card, software LABSOFTVIEW

Inputs

1 Configurable	Res. 16 bit, selectable for TC type K, S, R, J, T, E, N, B (automatic compensation of the cold junction 0..50°C, ±0,2% F.S. ±1 digit F.S.), thermoresistances PT100, PT500, PT1000, Ni100, PTC1K, NTC10K (β 3435K), process signals 0..10 V (23000 points), 0/4..20mA (26000 points), 0..60 mV (24000 points), potentiometer 1..150 KΩ (50000 points)
Sampling time	100 ms (10 Hz)
1 Current Transformer (T.A.) input	C.T. 50 mAac, 50/60Hz - 100 µs - 4096 points

Outputs

2 SSR	24 VDC - 50 mA max
1 analogue	0/4..20 mA (34000 points ± 0,2% F.S.) for command or retransmission PV/SPV
Serial communication	RS485 Modbus RTU - Slave (4800..115200 bit/s) - CANopen slave (50K..1M Bit/s)

Software features

Control algorithms	ON - OFF with hysteresis, P., P.I., P.I.D., P.D. time proportioned
Tuning	Manual or automatic
Alarm modes	Absolute / Threshold, Band, High / Low deviation. Alarm with optional manual reset. Heater Break Alarm function
Auto / Manual function	Output percentage command also with automatic change in case of sensor failure
Double P.I.D.	Heating / Cooling P.I.D.
Soft-Start	Rising gradient expressed as Degrees / Hour or fixed output percentage
Open / Close logic	Open / Close logic for motorized valves

Ordering codes

DRR460-12A-T128	1 analogue input + 2 out 24 Vdc / 50 mA + 1 OUT mA + RS485 + C.T.
DRR460-12A-CAN	1 analogue input + 2 out 24 Vdc / 50 mA + 1 OUT mA + CAN + C.T.