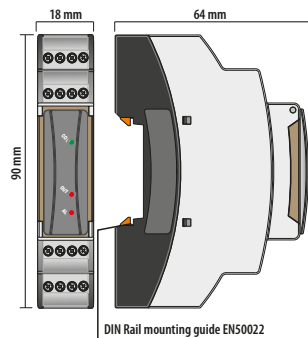


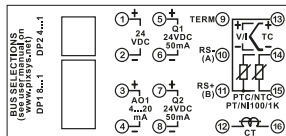
ISO-plus.RS4 ISO-plus.CAN Controller



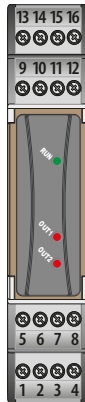
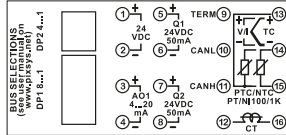
Dimensions and wiring diagram



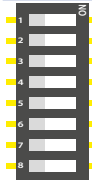
DRR460-12A-T128



DRR460-12A-CAN

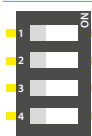


2.3 Dip switch



DIP 1 – Slave address

- If contacts 1..8 are OFF, modbus slave address is selected on par. 111 *SL Ad*.
- Determines modbus slave address, in binary code as indicated below:
00000001=1; 00000010=2; 00000011=3; 00000100=4; 00000101=5;
00000110=6; 00000111=7; 01111101=125; 01111110=126; 01111111=127;
10000000=128; 10000001=129; 10000010=130; 11111011=251;
11111100=252; 11111101=253; 11111110=254.



DIP 2 - Baud rate and loading default values

- If contacts 1..3 are OFF, modbus baud rate is selected on par. 112 *bd.r.t.*
- Contacts 1..3 determine modbus baud rate, using following values:
001=4800; 010=9600; 011=19200; 100=28800; 101=38400; 110=57600;
111=115200.
- If contact 4 is ON, parameters and all eeprom data are loaded with factory values (default).

1 Electrical wirings

This controller has been designed and manufactured in conformity to Low Voltage Directive 2006/95/EC, 2014/35/EU (LVD) and EMC Directive 2004/108/EC, 2014/30/EU (EMC). For installation in industrial environments please observe following safety guidelines:

- Separate control line from power wires.
- Avoid proximity of remote control switches, electromagnetic contactors, powerful engines and use specific filters.
- Avoid proximity of power groups, especially those with phase control.
- It is strongly recommended to install adequate mains filter on power supply of the machine where the controller is installed, particularly if supplied 230Vac. The controller is designed and conceived to be incorporated into other machines, therefore CE marking on the controller does not exempt the manufacturer of machines from safety and conformity requirements applying to the machine itself.

For permanently connected equipment:

- supply wiring must be ≤ 20 Awg with cables suitable for temperatures $> 70^\circ\text{C}$;
- for requirements about any external switch or circuit-breaker see EN 61010-1 par. 6.11.3.1 and about external overcurrent protection devices see EN 61010-1 par. 9.6.2; the switch or circuit-breaker must be near the equipment.

2 General features

Box	DIN43880, 18 x 90 x 64 mm
Power supply	24 VDC $\pm 15\%$ - 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 blocs)
Quick set-up options	Software LABSOFTVIEW (Front mini-USB)

2.1 Inputs

Resolution	16 bit.
Tolerance (25 °C)	$\pm 0.3\% \pm 1$ digit (on F.S.)
Thermocouples:	type K, S, R, J, T, E, N, B (automatic compensation of the cold junction 0..50°C)
Thermoresistances:	PT100, PT500, PT1000, Ni100, PTC1K, NTC10K (β 3435K)
V/I input:	0..10 V (23000 points), 0/4..20mA (26000 points), 0..60 mV (24000 points)
Potentiometer:	1..150 K Ω (50000 points)
Sampling time	100 ms (10 Hz)
Current Transformer (CT) input	CT 50 mAac, 50/60Hz - 100 μ s (4096 points)

2.2 Outputs

2 SSR	24 VDC - 50 mA max
Analogue output	0/4..20 mA (34000 points $\pm 0,2\%$ F.S.) for command output, alarm output or retransmission PV/SPV
Serial communication	DRR460-12A-T128: RS485 Modbus RTU - Slave (4800..115200 bit/s) DRR460-12A-CAN: CANOpen slave (50K..1M Bit/s)