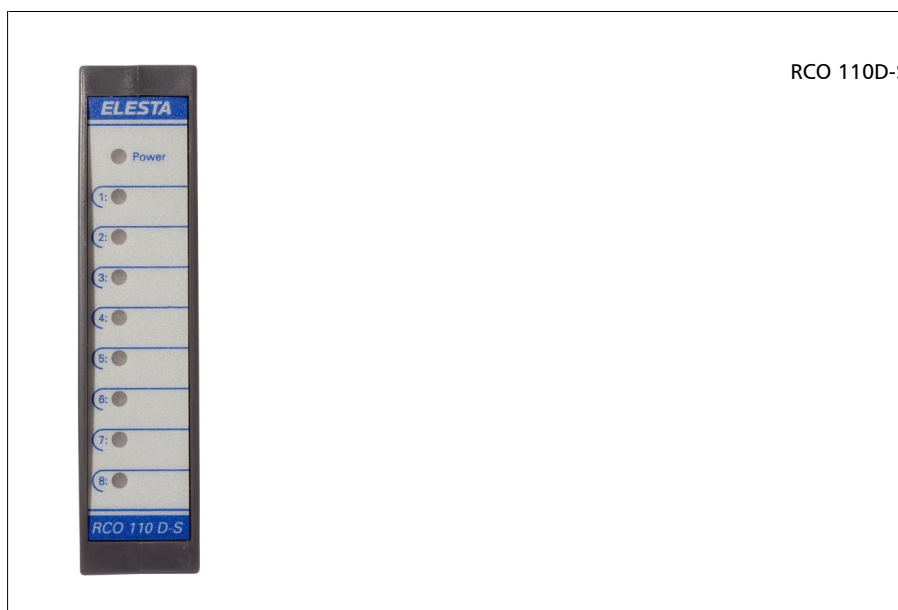


Data sheet



I/O modules



RCO 110D-S

Application

Controlesta RCO 110D-S is a Universal Input Module. The module can be operated in combination with a Master Controller RCO 9..D-M/W and is suitable for the operation in the RCO network. The slave module RCO 110D-S is able to measure digital and different analogue values of the technical plant. The control -, optimising and monitoring functions are programmed within the Master Controller. Up to 32 I/O modules can be connected to one Master Controller via the L-bus.

Features

- 8 universal inputs
- Plug-in terminals
- Small size
- For Din-rail- or panel door mounting
- Approved according to European EMC standards EN IEC 61000-6-1:2019, EN 55011:2016 + A1:2017
- CE-Approval
- GOST-R conformity certified



Environmental conditions

Ambient temperature	0 ... 50 °C
Storage temperature	-20 ... 60 °C
Ambient humidity	0 ... 85 % rH, not condensing
Protection class	III

Execution

Housing	plastic, for Din-rail- or panel door mounting
Production	to ROHS manufactured in acc. with EN IEC 63000:2018
Dimension	W x H x D, 22,5 x 97 x 125 mm
Weight	120 g

Electrical data

Power supply	24 VDC +/- 10 %, Class II
Power consumption	2,8 W
Wire capacity	14 ... 24 AWG (0,25 ... 2,5 mm ²)
Main tightening torque	0,55 ... 0,8 Nm
Protection acc. to EN 60529	IP 20

Bus

L-Bus	speed in Kbps	20 / 100 / 500 / 1000
	max. length	depending on speed
	max. participants	32 participants

Functional data

Communication Interface 1 L-Bus Interface

Inputs:

- 8 universal inputs, following functions are selectable
- 0 ... 10 VDC with 10 Bit resolution, digital
- NTC 10kOhm, NTC 30kOhm, NTC 4,7kOhm, NTC-Satchwell, PTC 1k, TAC, Pt1000, and Ni1000

Power LED	green	L-bus active
	red	L-bus not active

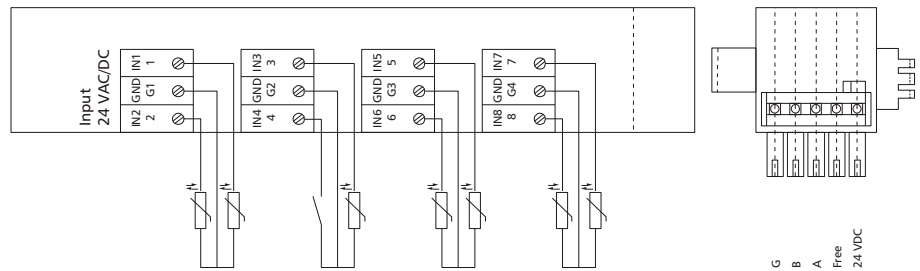
Per input a two-coloured LED is integrated.

- Use as analogue Temperature input:
The LED can be configured acc. to an upper and lower limit value. If the measured temperature is within the given limit values the LED shines green, otherwise red
- Use as analogue input (0 ... 10 VDC):
The LED shines in dependence of the output signal with 1 s/1V; e.g. 7 VDC: LED 7 sec. on; 3 sec. out
0 VDC: LED off; 10 VDC: LED on
- Use as digital input:
It's selectable whether the LED shall shine red or green, in case the signal is active or not active

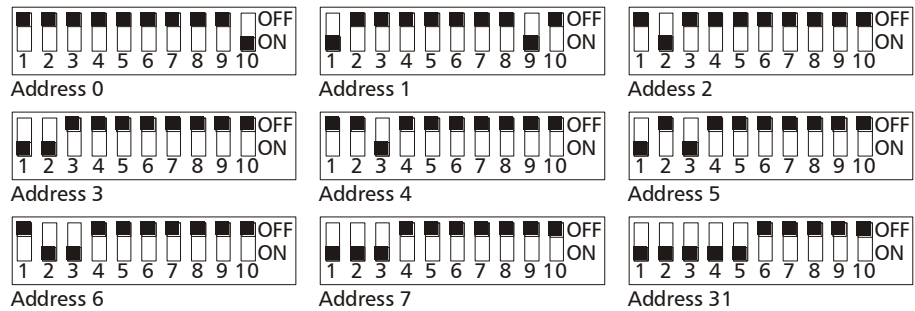
Programming

Within the Master Module RCO 9...D-M/W

Connection allocation



DIP switch setting

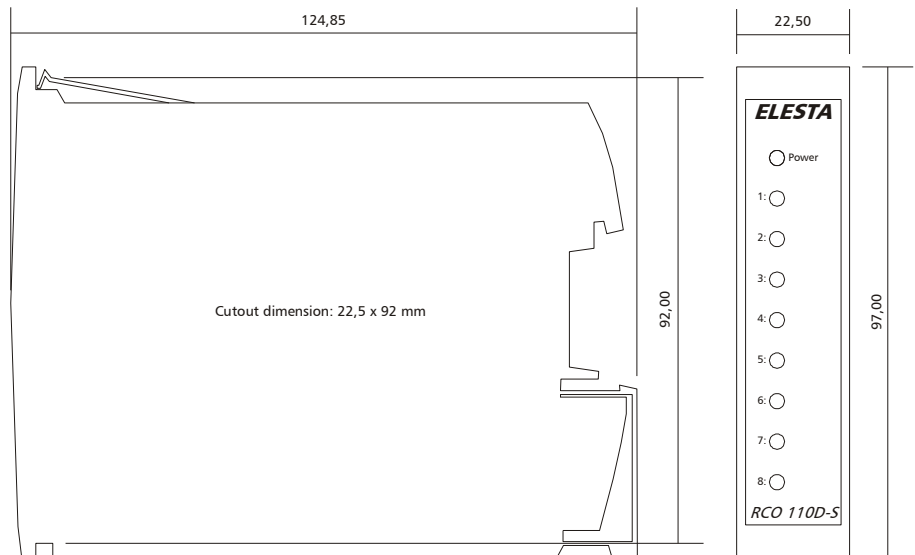


DIP switch 1-5: Address 0-31 adjustable
DIP switch 6-7: Without function
DIP switch 8-9: Baud rate



DIP switch 10: Termination resistance have to be activated (ON) for the first and the last device

Dimension drawing



Delivery scope

RCO 110D-S