Data sheet

I/O modules

RCO 211D-S

Application

Controlesta RCO 211D-S is an Analogue Output Module with manual override ability. 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 211D-S is able to supply analogue output signals (0 ... 10 VDC) to 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

- 4 analogue outputs with manual override ability
- Automatic feedback via the L-bus
- 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

AB 57

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	170 g

Electrical data

Power supply	24 VDC +/- 10 %, Class II
Power consumption	2,4 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

Outputs: 4 analogue outputs, 0 ... 10 VDC with 10 Bit resolution, with manual override and feedback to RCO Master via L-bus, max. load 10 mA

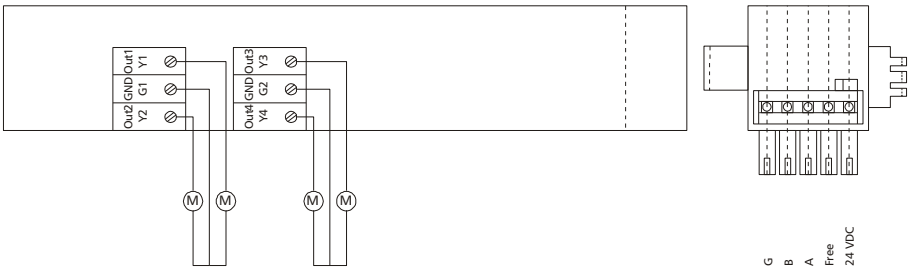
Power LED	green	L-bus active
	red	L-bus not active

Per output a LED is integrated.
Automatic operation: LED green
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
Hand operation: Identical to automatic, except the LED shines red.

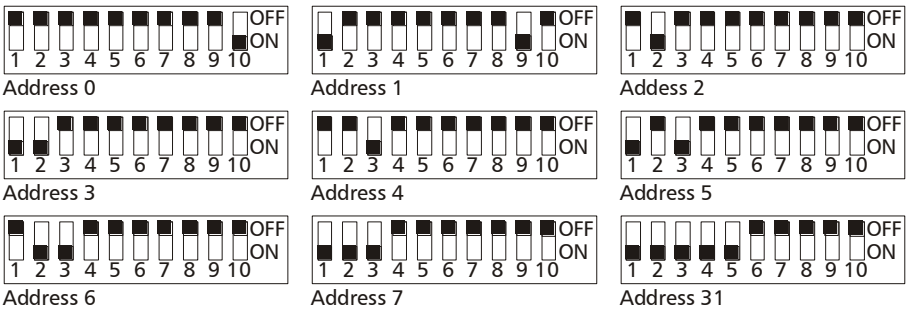
Programming

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

Connection allocation



DIP switch setting



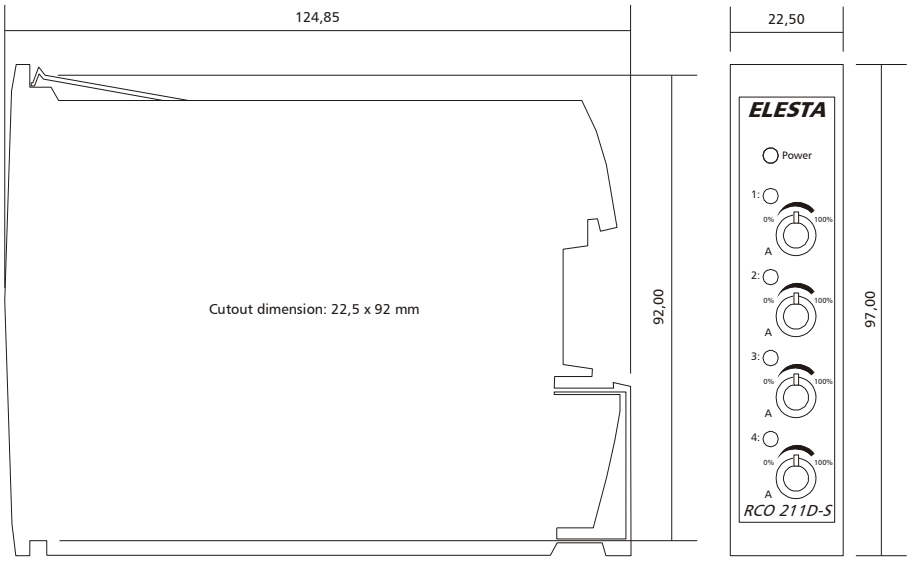
Address 0 | Address 1 | Addess 2
Address 3 | Address 4 | Address 5
Address 6 | Address 7 | Address 31

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

20 Kbit | 100 Kbit | 500 Kbit | 1 Mbit

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

Dimension drawing



Delivery scope

RCO 211D-S