

KOA 01

Analogue output module

Basic Functions

- Analogue output module
- 1 differential analogue output
- Galvanic isolation between the output and the power supply
- Software current output range setting
- Connection with other modules via RS485 bus
- LED indication of the wire break in the case if the output type is 4-20mA
- Output type is set by the software.

Application

Analogue output module KOA1 sends the current analogue signal to the process. The signal value is sent to it via RS485 bus either from the SCADA directly or from the Atlas Max-RTL[®].

Design

Cabur CH boxes (dimension WxDxH 24x85x121mm)

Connections

There are a 2-pin strip for the analogue output on the bottom and a 3-pin strip for RS485 bus on the top and a 2-pin strip for the power supply. The analogue output is galvanically isolated from the power supply.

Technical specifications

Operating temperature	-20 to 60 °C
Operating humidity	5 to 95% RH
Current output types	4 to 20mA, 0 to 20mA, -20 to +20mA, 1 to 10mA, 0 to 10mA, -10 to 10mA, 0 to 5mA, -5 to 5mA
Power supply	5V DC
Consumption	max 100mA@5V



PIN Layout:

CON.1		
PIN	Signal name	Description
1	I+	+OUTPUT1
2	I-	- OUTPUT1

CON.2		
PIN	Signal name	Description
	RS485	
18	A	Reception/transmission+
19	B	Reception/transmission-
20	C	Joint point

CON.3	
PIN	Description
21	+5V
22	GND5V

OUTPUT CIRCUIT DIAGRAM:

