

KIV16

Analog voltage input module

Basic functions

- Analog input module for MMS devices
- Acceptance of analog voltage signals from converters (or digital up to 24V)
- 16 analog inputs with common end
- Galvanic isolation between input and power supply
- Measuring range from -10V to 10V
- Connection with other modules via RS485 bus
- LED indication of overrange (active digital input)

Application

The analog voltage input module KIV16 accepts voltage from the process analog signals and sends them via the RS485 bus to either SCADA directly or to Atlas RTL®.

Design

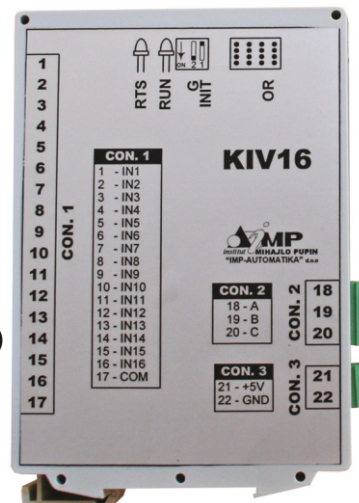
Cabur CH boxes (dimensions WxDxH 24x85x121mm).

Connection

On the bottom side, a 17-pin connector for introducing analog inputs with the upper 3-pin connector for the RS485 bus and 2-pin connector for power supply. Analog inputs are galvanically isolated from the power supply.

Technical specification

Working temperature	0-50°C
Operating humidity	5 to 95% RH
Input resistance	Voltage-free contact
Power supply	5V DC
Consumption	max 100mA@5V



Pinout

CON.1		
PIN	Signal name	DESCRIPTION
1	IN1	ULAZ1
2	IN2	ULAZ2
3	IN3	ULAZ3
4	IN4	ULAZ4
5	IN5	ULAZ5
6	IN6	ULAZ6
7	IN7	ULAZ7
8	IN8	ULAZ8
9	IN9	ULAZ9
10	IN10	ULAZ10
11	IN11	ULAZ11
12	IN12	ULAZ12
13	IN13	ULAZ13
14	IN14	ULAZ14
15	IN15	ULAZ15
16	IN16	ULAZ16
17	COM	COMMON ENTRY POINT

CON.2		
PIN	Signal name	DESCRIPTION
RS485		
18	A	Prijem/predaja+
19	B	Prijem/predaja-
20	C	Zajednička tačka

CON.3	
PIN	DESCRIPTION
21	+5V
22	GND

INPUT CIRCUIT BLOCK DIAGRAM

