

KOD16

Digital output module

Basic functions

- Digital output module for MMS devices
- 16 voltage-free digital phat outputs with joint ending
- LED indication of active signals and serial communication
- Possibility to choose permanent or impulse commands for each output independently
- Software setting of the impulse outputs duration
- Galvanic isolation of digital outputs from the power supply voltage and RS485 bus
- Connection with other modules through RS485 bus

Application

Digital output module KOD16 enables setting digital outputs through the RS485 bus either from the SCADA directly, or from the Atlas Max RTL.

Design

Cabur CH boxes (dimension WxDxH 24x85x121mm)

Connections

There are a 17-pin strip for digital outputs on the bottom and a 3 –pin strips for RS485 bus on the top and a 2-pin strip for the power supply. Digital outputs have joint ending.

Technical specifications

| | |
|--|----------------------|
| Operating temperature | 0-50°C |
| Operating humidity | 5 to 95% RH |
| Output type | Voltage-free contact |
| Maximum current through the contact | 100mA |
| Maximum switching voltage | 48VDC |
| Power supply | 5V DC |
| Consumption | max 100mA@5V |



PIN Layout:

| CON.1 | | |
|-------|-------------|----------------------------|
| PIN | Signal name | Description |
| 1 | OUT1 | OUTPUT1 |
| 2 | OUT2 | OUTPUT2 |
| 3 | OUT3 | OUTPUT3 |
| 4 | OUT4 | OUTPUT4 |
| 5 | OUT5 | OUTPUT5 |
| 6 | OUT6 | OUTPUT6 |
| 7 | OUT7 | OUTPUT7 |
| 8 | OUT8 | OUTPUT8 |
| 9 | OUT9 | OUTPUT9 |
| 10 | OUT10 | OUTPUT10 |
| 11 | OUT11 | OUTPUT11 |
| 12 | OUT12 | OUTPUT12 |
| 13 | OUT13 | OUTPUT13 |
| 14 | OUT14 | OUTPUT14 |
| 15 | OUT15 | OUTPUT15 |
| 16 | OUT16 | OUTPUT16 |
| 17 | COM | JOINT POINT OF ALL OUTPUTS |

| 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:

