



IO-16DO-M

Distributed I/O:s

IO module for expanding Regin's programmable controllers EXOflex, EXOcompact and EXOdos.

- ✓ Built-in relays
- ✓ Control switches on the front panel
- ✓ Simple wiring
- ✓ Easy to install in a standard casing

Function

IO-16DO-M enables easy expansion of a system by 16 additional outputs per controller. All outputs can be controlled manually.

Communication takes place via EXOline or CAN-Bus. Which protocol should be used is set via DIP switches.

Outputs

IO-16DO-M has 16 digital outputs with manual switches, LEDs and potential-free closing contact.

Technical data

| | |
|-------------------------------------|---|
| Supply voltage | 24 V AC ±15 %, 50Hz |
| Power consumption | Max. 3.5 VA |
| Communication | EXOline, CAN-bus |
| Communication speed | 9600 bps 20000 bps |
| Operating temperature | 0...50°C |
| Storage temperature | -20...+70°C |
| Ambient humidity (operation) | Max. 90 % RH |
| Protection class | IP20 |
| Mounting | DIN-rail or in a standard casing |
| Dimensions | 148 x 123 x 74 mm (WxHxD) incl. terminals |
| DIN-rail module width | 8.5 |


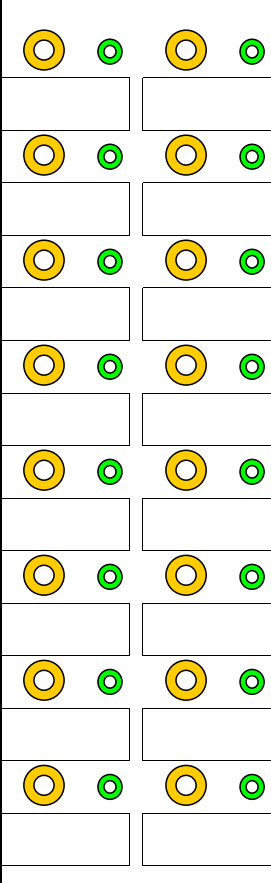
Inputs

| | |
|-----------------------------|--|
| Digital outputs (DO) | Potential-free relay (closing), 24 / 230 V AC (not mixable), max. 1 A inductive load or 4 A resistive load |
|-----------------------------|--|

CE

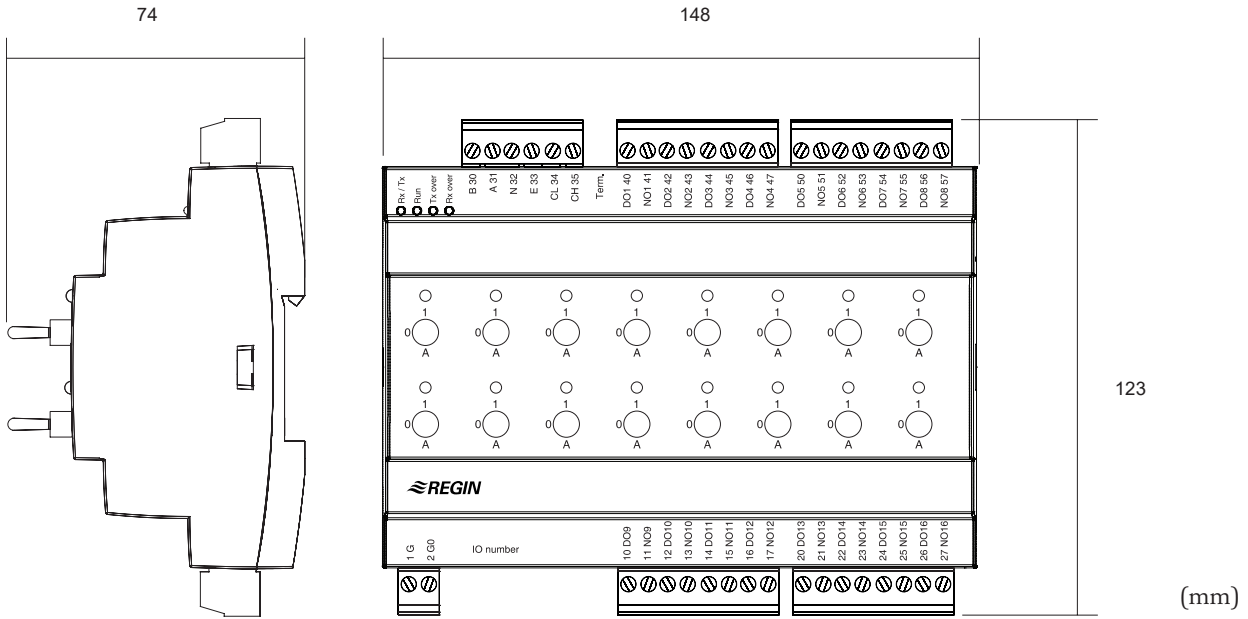
This product carries the CE mark. For more information, see www.regincontrols.com.

Wiring

| | | | | | | | |
|-----------------|--------|------|---|-----------|--|----------|--------------------------|
| Supply voltage | 24V AC | 1 G |  | IO number |  | Rx/Tx | Communication status |
| Supply voltage | 24V AC | 2 GO | | | | RUN | |
| ON | 1 | 20 | 1 | | | | |
| OFF | 2 | 21 | 2 | | | B 30 | RS485 |
| OFF | 4 | 22 | 3 | | | A 31 | EXOline |
| OFF | 8 | 23 | 4 | | | N 32 | RS485 / CAN ground ⊥ |
| OFF | 16 | 24 | 5 | | | E 33 | EXOline RS485 (S/R) |
| OFF | 32 | 25 | 6 | | | CL 34 | CAN-LOW |
| | | | | | | CH 35 | CAN-HIGH |
| | | | | | | Term]]] | R _{END} for CAN |
| | | | | | | DO1 40 | |
| Supply for DO9 | | | | | | NO1 41 | Supply for DO1 |
| Supply for DO10 | | | | | | DO2 42 | |
| Supply for DO11 | | | | | | NO2 43 | Supply for DO2 |
| Supply for DO12 | | | | | | DO3 44 | |
| | | | | | | NO3 45 | Supply for DO3 |
| | | | | | | DO4 46 | |
| | | | | | | NO4 47 | Supply for DO4 |
| | | | | | | DO5 50 | |
| Supply for DO13 | | | | | | NO5 51 | Supply for DO5 |
| Supply for DO14 | | | | | | DO6 52 | |
| Supply for DO15 | | | | | | NO6 53 | Supply for DO6 |
| Supply for DO16 | | | | | | DO7 54 | |
| | | | | | | NO7 55 | Supply for DO7 |
| | | | | | | DO8 56 | |
| | | | | | | NO8 57 | Supply for DO8 |

| Terminal | Description | Function |
|----------|-------------|---|
| 1 | G (F24~)/+ | Supply voltage 24 V AC |
| 2 | G0 (F24)/- | Supply voltage 24 V AC |
| 30 | B | EXOline RS485 |
| 31 | A | |
| 32 | N | EXOline RS485 / CAN ground |
| 33 | E | EXOline RS485 Send/Receive alternating |
| 34 | CL | CAN-Low |
| 35 | CH | CAN-High |
| 40 | DO1 | Digital output 1; closing contact, normally open |
| 41 | NO1 | Supply for DO1 |
| 42 | DO2 | Digital output 2; closing contact, normally open |
| 43 | NO2 | Supply for DO2 |
| 44 | DO3 | Digital output 3; closing contact, normally open |
| 45 | NO3 | Supply for DO3 |
| 46 | DO4 | Digital output 4; closing contact, normally open |
| 47 | NO4 | Supply for DO4 |
| 50 | DO5 | Digital output 5; closing contact, normally open |
| 51 | NO5 | Supply for DO5 |
| 52 | DO6 | Digital output 6; closing contact, normally open |
| 53 | NO6 | Supply for DO6 |
| 54 | DO7 | Digital output 7; closing contact, normally open |
| 55 | NO7 | Supply for DO7 |
| 56 | DO8 | Digital output 8; closing contact, normally open |
| 57 | NO8 | Supply for DO8 |
| 10 | DO9 | Digital output 9; closing contact, normally open |
| 11 | NO9 | Supply for DO9 |
| 12 | DO10 | Digital output 10; closing contact, normally open |
| 13 | NO10 | Supply for DO10 |
| 14 | DO11 | Digital output 11; closing contact, normally open |
| 15 | NO11 | Supply for DO11 |
| 16 | DO12 | Digital output 12; closing contact, normally open |
| 17 | NO12 | Supply for DO12 |
| 20 | DO13 | Digital output 13; closing contact, normally open |
| 21 | NO13 | Supply for DO13 |
| 22 | DO14 | Digital output 14; closing contact, normally open |
| 23 | NO14 | Supply for DO14 |
| 24 | DO15 | Digital output 15; closing contact, normally open |
| 25 | NO15 | Supply for DO15 |
| 26 | DO16 | Digital output 16; closing contact, normally open |
| 27 | NO16 | Supply for DO16 |

Dimensions



Product documentation

The manuals can be downloaded from Regin's FTP server. It is intended for our system customers who need to share files with us, e.g. at technical support. Contact one of our sales engineers to get access to the FTP server.