



IO-16DI

Distributed I/Os

IO module for expanding Regin's programmable controllers EXOflex, EXOcompact, CLEVERmaster, RU6X and RU9X.

- Simple wiring
- Easy to install in a standard casing

IO-16DI enables easy expansion of a system by 16 additional outputs per controller. Communication takes place via EXOline or CAN-Bus. Which protocol should be used is set via DIP switches.

Inputs

IO-16DI has 16 digital inputs with pulse counting. The inputs have indication via LEDs.

Technical data

Supply voltage	24 V AC/DC $\pm 15\%$, 50...60 Hz
Power consumption	Max. 3.5 VA
Communication	EXOline, CAN-Bus
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 60 mm (WxHxD) incl. terminals
DIN-rail module width	8.5

Inputs

Digital inputs (DI)	Potential-free closing contact between +C and DI, 24 V DC, can be configured as a pulse input
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Low Voltage Directive (LVD) standards: This product conforms to the requirements of the European Low Voltage Directive (LVD) 2006/95/EC through product standards EN 60730-1 and EN 60730-2-9.

EMC emissions & immunity standards: This product conforms to the requirements of the EMC Directive 2004/108/EC through product standards EN 61000-6-3:2001 and EN 61000-6-1:2001.

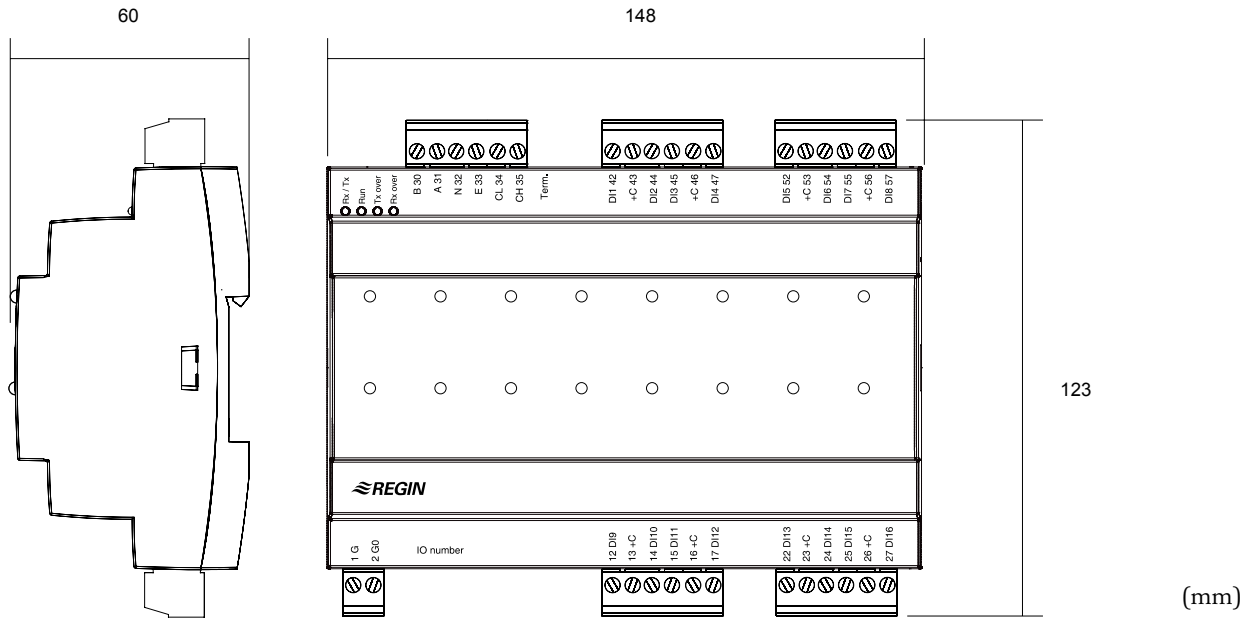
RoHS: This product conforms to the Directive 2011/65/EU of the European Parliament and of the Council.

Wiring

Supply volt. 24V~ / +	1 G				Rx/Tx	Communication status
Supply volt. 24V⊥ / -	2 G0				RUN	
					Tx over	
					Rx over	
ON 1 20 21 22 23 24 25 26	IO number				B 30	
OFF 1 2 3 4 5 6					A 31	
OFF 1 2 3 4 5 6					N 32	
OFF 1 2 3 4 5 6					E 33	
OFF 1 2 3 4 5 6					CL 34	
OFF 1 2 3 4 5 6					CH 35	
					Term	
					DI1 42	
					+C 43	
					DI2 44	
					DI3 45	
					+C 46	
					DI4 47	
					DI5 52	
					+C 53	
					DI6 54	
					DI7 55	
					+C 56	
					DI8 57	

Terminal	Description	Function
1	G (F24~)/+	Supply voltage 24 V AC/DC
2	G0 (F24)/-	Supply voltage 24 V AC/DC
30	B	EXOnline RS485
31	A	
32	N	EXOnline RS485 / CAN ground
33	E	EXOnline RS485 Send/Receive alternating
34	CL	CAN-Low
35	CH	CAN-High
42	DI1	Digital input 1
43	+C	24 V DC for all digital inputs
44	DI2	Digital input 2
45	DI3	Digital input 3
46	+C	24 V DC for all digital inputs
47	DI4	Digital input 4
52	DI5	Digital input 5
53	+C	24 V DC for all digital inputs
54	DI6	Digital input 6
55	DI7	Digital input 7
56	+C	24 V DC for all digital inputs
57	DI8	Digital input 8
12	DI9	Digital input 9
13	+C	24 V DC for all digital inputs
14	DI10	Digital input 10
15	DI11	Digital input 11
16	+C	24 V DC for all digital inputs
17	DI12	Digital input 12
22	DI13	Digital input 13
23	+C	24 V DC for all digital inputs
24	DI14	Digital input 14
25	DI15	Digital input 15
26	+C	24 V DC for all digital inputs
27	DI16	Digital input 16

Dimensions



Product documentation

Document	Type
IO modules manual	Manual for the IO modules

The document 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.

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