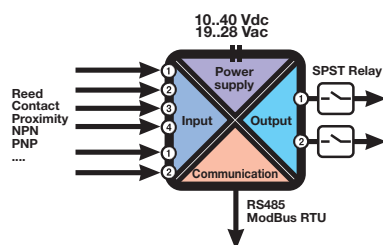




Z-D-IO

8-CH, 6 DIGITAL INPUT - 2 DIGITAL OUTPUTS CONTROL MODULE / RS485



Z-D-IO has N.6 digital inputs, N.2 SPST relays, capacity of 2Aac, 250 Vac. It can be used as simple Input/Output module or, through dip-switches, is possible to activate special functions to drive motors, pneumatic and motorised valves. The module is ModBUS Slave and can be coupled with any ModBUS Master device. A 3-way galvanic isolation among Power supply // output // RS485 circuits assures the integrity of your datas.

TECHNICAL SPECIFICATIONS

General Data

Power supply	10..40 Vdc / 19..28 Vac / 50-60 Hz
Power consumption	2,5 W
Isolation	1.500 Vac (3 way)
Power transducers	Yes
Status Indicators	Power supply, error, data transmission, data reception, input status
Protection Degree	IP20
Operating Temperature	-10...+65 °C
Dimension (W x H x D)	17.5 x 100 x 112 mm
Mounting	35 mm DIN rail guide

Communication, Memory Process

Interface	2 wire RS485
Speed	Up to 115.200 bps
Protocol	ModBUS RTU slave
Communication Time	< 10 ms (38400 baud)
Distance	Up to 1.200 m
Connectivity	Max 32 nodes
Data Memory	EEPROM for the configuration parameters, retention time 10 years, N° 5 registers 16 bit, N° 5 bit overflow

Signals

Channel Numbers	8
Input	N.6 Opto-isolated for REED, PROXIMITY, PNP, NPN, contact, etc.
Output	N.2 SPST relay outputs with common contact, capacity 5A 250Vac. Internal jumpers for selecting an NO or NC contact for each relay.

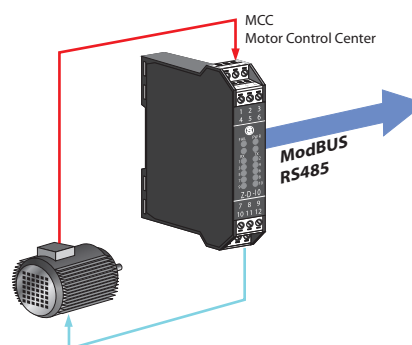
Programming

DIP switches	Baud rate, node, parity, serial port, bit stop, termination line
Software	Z-NET3 (Iec 61131) EASY Z-D-IO (plug&play)

Standard

Approval	CE, RINA
Norms	EN 50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4; EN 50140/141; EN 61010-1

APPLICATION NOTE



ORDER CODES

Code	Description
Z-D-IO	8-CH, 6 digital input - 2 digital outputs control module / RS485, 10..40 Vdc / 19..28 Vac

ACCESSORIES & SOFTWARE

Z-PC-DIN Backplane for power & bus communication pg. 36	Z-SUPPLY Switching power supply pg. 36	Z-NET IEC 61331 programming software pg. 36	EASY SETUP Plug&Play configuration software pg. 36

SIMILAR PRODUCTS

Z-10-D-IN 10-CH Digital Input module / RS485 pg. 12	Z-D-IN 5-CH Digital input module / RS485 pg. 10	ZC-24-DI 24 CH digital input CANopen / ModBUS pg. 28	ZC-16DI-8DO 16 CH digital input - 8 CH digital output CANopen / ModBUS pg. 30