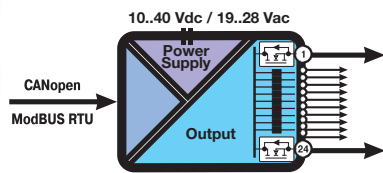


# ZC-24DO

## 24CH DIGITAL OUTPUT / CANOPEN - MODBUS MODULE



ZC-24DO is used to drive N.24 MOSFETS from all of the control systems which are able to communicate by the protocols CANopen or ModBUS RTU (protocol selectable through dip-switch). The digital output max load is 0,5 A with ON/OFF delay of 1 ms. 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
Power consumption	2,5 W
Status indicator	Digital outputs, communication
Galvanic isolation	1,5 kVac (3 way)
Response time	~ 1 ms
Operating temperature	-10..+65 °C
Dimensions (w x h x d)	35 x 100 x 112 mm
Enclosure, weight, colour	PBT, 170 g, black
Connections	Removable screw terminals IDC10 connector for Z-PC-DIN backplane RS232, front jack, speed 2400 Baud
Protection degree	IP20
Configuration	Dip Switches (baud rate, Node ID) EDS file
Protocols supported	CAN bus standard (2.0A, 2.0B) CANopen (profile CiA 401 v.2.01) ModBUS RTU (through RS232)
CANopen max speed	1 Mbps
Special functions	CANopen/ModBUS protocol switching
Conformity	CE, EN 61000-6-4, EN 64000-6-2, EN 61010-1 CAN 2.0A, 2.0B CiA 401 v.2.01

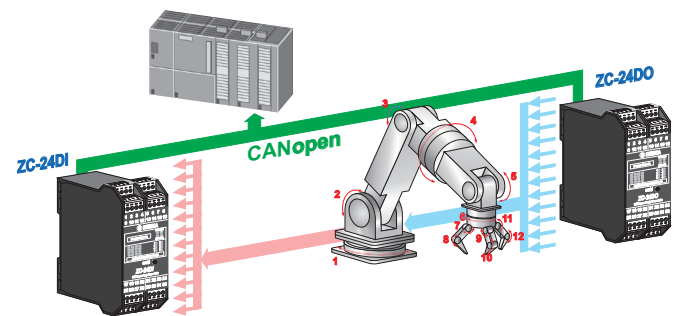
#### Output Data

Nr channels	24
Type	Mosfet (open source) with shared common
Power supply Voltage	5..30Vdc
Maximum Current	0.5 A (connection from terminals) 25 mA (connection from connectors)
ON/OFF delay	< 1ms
RPDO	< 1,25ms

#### CANOpen features

NMT	Slave
Error control	Node guarding
Node ID	Software, DIP switches
Nr PDO	RX 5
PDO modes	Event triggered, Synq (cyclic), Synq (acyclic)
PDO linking	yes
PDO mapping	variable
Nr SDO server	1
Emergency message	yes
Supported application layer	CiA 301 v4.02
Supported profile	CiA 401 v2.01

### APPLICATION NOTE



### ORDER CODES

Code	Description
ZC-24DO	24 CH digital input CANopen / ModBUS module, 10..40 Vdc / 19..28 Vac

### ACCESSORIES & SOFTWARE

<b>Z-PC-DIN</b> Backplane for power & bus communication pg. 36	<b>Z-SUPPLY</b> Switching power supply pg. 36	<b>Z-8R-10A</b> 8-CH Relay interface, 10A pg. 36	<b>EASY SETUP</b> Plug&Play configuration software pg. 36

### SIMILAR PRODUCTS

<b>ZC-16DI-8DO</b> 16 CH digital input - 8 CH digital output CANopen / ModBUS pg. 30	<b>Z-10-D-OUT</b> 10-CH digital output module / ModBUS pg. 13	<b>Z-D-I0</b> 8-CH, 6 digital input - 2 digital outputs control module pg. 14	<b>Z-D-OUT</b> 5-CH Digital output module / Modbus pg. 11