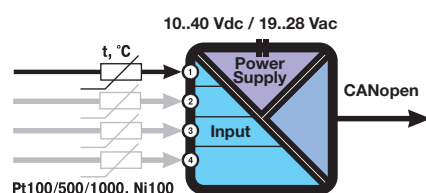




ZC-4RTD

4 CH RTD INPUT CANOPEN MODULE



ZC-4RTD is an interface for RTD sensors (PT100, PT1000, PT500, Ni100) with 2,3 or 4 wires. The number of input is 4 and the each input is independent from each other.

It's a CANopen device and can be connected into a CANopen network. A 6-way galvanic isolation among Power supply // inputs // RS485 circuits assures the integrity of your datas (each input channel is isolated from the other circuits).

TECHNICAL SPECIFICATIONS

General Data

Power supply	10..40 Vdc; 19..28 Vac
Power Consumption	1 W
Galvanic isolation	1,5 kVac (6 way)
Input protection	Against ESD discharge up to 4 KV
Status indicators	Power, communication, fault input
Response time	< 28 ms
Accuracy	0,05%
A/D Resolution	13 or 14 bit
Thermal drift	< 50 ppm/°C
Dimensions (W x H x D)	17,5 x 100 x 112 mm
Enclosure, weight, colour	PBT, 140 g., black
Operating temperature	-10..+65 °C
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
Conformity	CE, EN 61000-6-4, EN 64000-6-2, EN 61010-1 CAN 2.0A, 2.0B - CiA 401 v.2.01

Input Data

Nr channels	4, RTD with 2,3,4 wires, fully isolation
Type	PT100 (EN 60751/A2-ITS90) Range: -200..+650°C PT500 (EN 60751/A2-ITS90) Range: -200..+750°C PT1000 (EN 60751/A2-ITS90) Range: -200..+210°C Ni100 (EN 60751/A2-ITS90) Range: -60..+250°C Configurable fault

Canopen Features

NMT	Slave
Error control	Node guarding
Node ID	Software, DIP switch
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

ORDER CODES

Code	Description
ZC-4RTD	4 CH-RTD input CANopen module, 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-8R-10A 8-CH Relay interface, 10A pg. 36	EASY SETUP Plug&Play configuration software pg. 36

SIMILAR PRODUCTS

Z-4RTD2 4-CH RTD input module / ModBUS pg. 19	ZC-8TC 8 CH thermocouple module / CANopen pg. 34