

MODBUS I/O SYSTEMS



Z-8TC 8-CH THERMOCOUPLE / MV INPUT MODULE / RS485 MODBUS RTU

Modbus



TECHNICAL DATA

GENERAL DATA

Power Supply	10..40 Vdc; 19..28 Vac (50-60 Hz) bus powered
Power Consumption	0,6 W
Isolation	1.500 Vac (6 way)
Power Transducers	Power Supply Error RS485 Communication
Protection Degree	IP20

THERMOMECHANICAL FEATURES

Operating Temperature	-10..+65 °C
Housing	Nylon 6 with 30% glass-fiber, V0 self-extinguished class
Connections	Removable terminals block, plug in connectors, max wire size 2.5 mm ² Rear IDC10 connector for Z-PC backplane
Mounting	35 mm DIN rail guide 46277

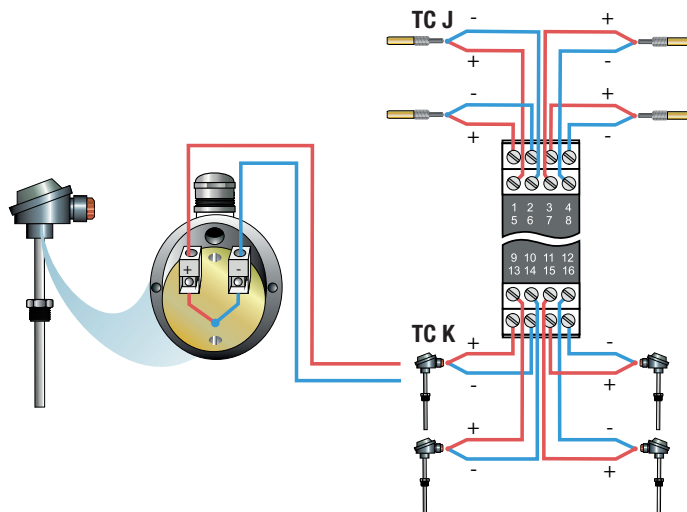
COMMUNICATION, PROCESSING, MEMORY

Interfaces	2 wires RS485
Speed	Reading every 25 ms
Protocol	ModBUS RTU slave
Communication Time	
Distance	Up to 1200 m
Connectivity	Max 32 nodes
Data Memory	EEPROM for the configuration parameters, retention time 10 years

SIGNALS, MEASUREMENT; CONFIGURATIONS, NORMS

Channel	8
Type	Thermocouple J, K, R, S, T, B, E, N (EN 60584-1, ITS-90) Voltage Input: -10,1..+81,4 mV Range: -210..+1820°C Current Shunt: Up to 70mV
Resolution	16 bit
Accuracy	0,05%
Thermal Drift	< 100 ppm/K
Programming	Z-NET4 (IEC 61131 software) EASY SETUP(plug&play software) DIP switches
Norms & Approvals	CE, EN 61000-6-4/2002, EN 61000-6-2/2002, EN 61010, EN 60742

APPLICATION EXAMPLE



ORDER CODES

Code	Description
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Software	pag. 41
Accessories	pag. 45



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