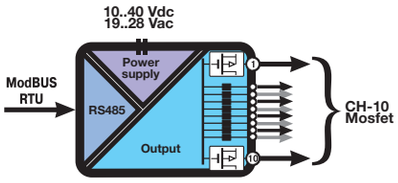


Z-10-D-OUT

10-CH DIGITAL OUTPUT MODULE / RS485 MODBUS RTU

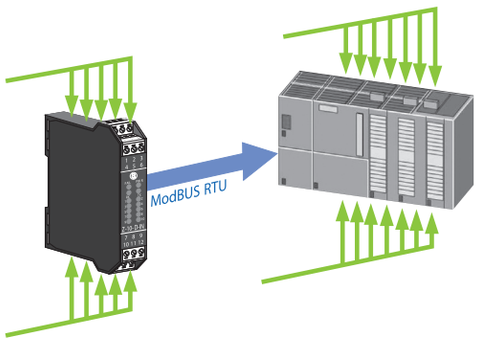


Z-10-D-OUT is used to drive N.10 MOSFETS from all of the control systems which are able to communicate with the transmission protocol MODBUS RTU through the RS485 serial interface. The digital output max load is 0,5 A (inductive) and 0,5 A (resistive) with maximum switch-on / switch-off cycle frequency of 2 cycles/ second. 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	1,5 W
Isolation	1.500 Vac (3 way)
Status Indicators	Power supply, error, data transmission, data reception, output status
Protection Degree	IP20
Operating Temperature	-10..+65 °C
Dimension (W x H x D)	17.5 x 100 x 112 mm
Connection	Removable 3-way screw terminal 5,08 pitch Rear IDC10 connector for DIN 46277 rail
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
Signals	
Channel Numbers	10-CH optoisolated
Output type	Mosfet semiconductor with shared negative pole, overall connection by external supply (max 30 Vdc, min 6 Vdc)
Carrying capacity	0,5 A inductive load and 0,5 A resistive load with maximum switch-on / switch-off cycle frequency of 2 cycles/second
Safe time	From 33 ms to 2184
Outputs protection	From short circuit and overvoltage with 6..40 Vdc range
Diagnostic	Channel status, programmable
Programming	
DIP switches	Baud rate, node, parity, serial port, bit stop, termination line
Software	Z-NET3 (lec 61131) EASY Z-10-D-OUT (plug&play)
Standard	
Approval	CE, RINA, UL-UR CSA
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-10-D-OUT	10-CH digital output control module / RS485 ModBUS RTU, 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-D-OUT
10-CH Digital Input module / RS485
pg. 11



ZC-24DO
24 CH digital output CANopen / ModBUS
pg. 29



ZC-16DI-8DO
16 CH digital input - 8 CH digital output CANopen / ModBUS
pg. 30

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