R-32DIDO

32-CH digital inputs/outputs Modbus TCP-IP / Modbus RTU module
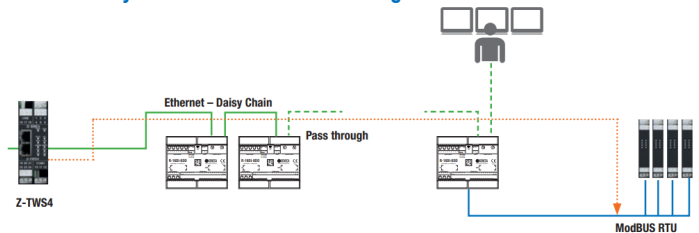
100% Made & Designed in Italy

- Nr.32 Inputs/Outputs configurable also as counters @32 bit max 50Hz
- Nr.2 Ethernet 10/100 Mbps ports
- Nr.1 RS485 port
- Nr.1 Micro USB port
- Programming via web server and EASY SETUP 2 software
- Multi-device connection in Ethernet daisy chain mode with Fault-bypass
- I/O mirror function (signal replication) in Peer To Peer mode without Master
- ModBUS Pass-Through function

R-32DIDO is a mixed digital module with dual 100 Mbps Ethernet ports and a Micro USB front programming port. The instrument is designed for flexible wiring needs, small installation spaces, high I/O density applications with integrated Ethernet networking. R-32DIDO has 32 Mosfet/PNP Input/Output channels that can also be configured as @32 bit totalizers. The configuration can be done by EASY SETUP2 software and web server. R-32DIDO can be connected in Ethernet daisy chain mode with fault bypass to ensure the connection even in case of failure of one module of the measurement chain. Digital signals can also be duplicated on one or more modules in Peer to Peer mode (I/O mirror functionality).
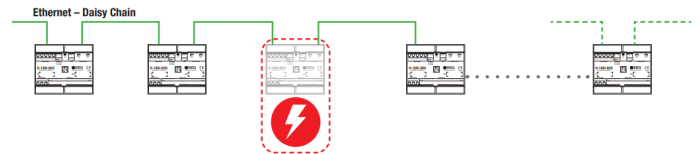
Modbus ETHERNET

TECHNICAL DATA

GENERAL DATA

Power supply	10..40 Vdc; 19..28 Vac
Auxiliary voltage output	12 Vdc / 40 mA
Max Power consumption	3 W
Max Isolation	1,5 kVac (3 ways)
Status indicators	Power supply
	Input / Output Status
	STS (IP address / DHCP) RX / TX
	(Data reception / transmission over RS485)
	Ethernet TRF / LNK (Transit packets / Ethernet connection)
Degree of Protection	IP20
Operating temperature	-25..+65°C
Dimensions (wxhxd)	106 x 90 x 32 mm
Weight	170 g
Case	Material PC / ABS self-extinguishing UL94-V0, black color
Connections	Terminals 3.5 mm pitch, Micro USB connector and double RJ45 connector
Mounting	DIN-rail EN 60715, wall-mounted / panel-mounted
Programming	Integrated EASY SETUP2 Web Server configurator
Special functions	Dual Ethernet Daisy Chain connections
Data memory	LAN fault bypass

COMMUNICATION

Interfaces	Nr.2 Ethernet ports (with LAN fault-bypass function) 100 baseT on RJ45
Data rate	Nr.1 RS485 port on terminals M23- M24-M25
Protocols	Nr.1 Micro USB (programming)
ModBUS communication	Up to 115.200 bps (RS485) / 100 Mbps (TCP-IP)

INPUT / OUTPUT DATA

Channels	32 Digital inputs/outputs (counters @32 bit max 50 Hz)
Type	Inputs ON/OFF: > 9 V; < 4 V; Vmax: 24 V Outputs MOSFET, PNP; max. voltage/current: 0.2 A / 24 V

STANDARD

Approvals	CE

CONNECTION EXAMPLES

Ethernet Daisy Chain / ModBUS Pass-Through

Fault bypass

Ethernet connection and data transmission are active even in the event of failure or power failure of one module in the chain. In this way, availability and continuity of service are guaranteed.

ORDER CODES

Code	Description
R-32DIDO	32-CH digital inputs/outputs ModBUS RTU / TCP-IP module
ACCESSORIES	
CE-RJ45-RJ45-R	Straight Ethernet Cable RJ45-RJ45, 1.5 M
CE-RJ45-RJ45-C	RJ45-RJ45 cross-over Ethernet cable, 1.5 M
SOFTWARE	
EASY-SETUP-2	Configuration suite
SDD	SENECA Discovery Device, IP scanner