



MODBUS RTU TO DI/DO CONVERTER

DDRIO SERIES



DATA BRIDGE
D Y N A M I C

SYNOPSIS

- USB + RS-485 BOTH INTERFACE CONTROL
- ACT AS A MODBUS SLAVE DEVICE RECEIVING COMMAND FROM MODBUS MASTER
- SUPPORT 4 DI / 3 DO
- UTILITY SUPPORT FOR CONFIGURATION

TECHNICAL SPECIFICATIONS

HARDWARE

CPU	8 bits CPU
RAM	2 KB SDRAM
ROM	32 KB Flash ROM

SERIAL INTERFACE

Port Number	1
Port Type	RS-485
Connector	2-pin Terminal Block
Speed	9600 bps to 115.2 Kbps
Parity	None , Odd , Even
Data Bit	8
Stop Bit	1 , 2
Protection	RS-485 Surge Protection

USB INTERFACE

Port Number	1
Port Type	Com Port

SOFTWARE FEATURES

Protocol	Modbus RTU
OS Supported	Win 10
Configuration	Window Utility

DIGITAL I/O

Digital Input	4 (active High / Low selectable)
Digital Output	3 (active High / Low selectable)
DO x 3	Relay output, 125VAC@0.5A, 30V DC@1A
DI x 4	3000 VDC Isolation Protect
Wet Contact	Logic level 0 : 0 to 2 V, Logic level 1 : 15 to 20 V
Dry Contact	Logic level 0 : close to GND Logic level 1 : open

POWER

Input	DC 5 to 24V, 100mA@ 12VDC USB bus Power: 5V@300mA
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ENVIRONMENT

Operating Temperature	-10° C to 70° C
Storage Temperature	-15° C to 75° C
Operating Humidity	10% to 95% non-condensing
Storage Humidity	5% to 95% non-condensing

APPROVALS TESTED FOR

FCC	Part 15 Class A
CE	EN55022 Class A, EN55024
RoHS	Compliance

ORDERING INFORMATION

DDRIO 0430 U K

DDRIO	Modbus RTU to IO's converter
0430	0: AI 4: DI 3: DO 0: AO
U	USB interface
K	Fixed



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