DC Digital Output

ET-7042

16-channel Sink Type Open Collector Isolated Digital Output Module

☑ Features

- Built-in Web Server
- Communication Security
- Modbus/TCP Protocol
- 2-way Isolated Noise/Surge Protection
- Built-in Dual Watchdog
- 10 / 100 Base TX Ethernet
- I/O Pair Connection
- DO type: 16 Isolated Open Collector (Sink Type)

☑ Introduction

The ET-7042, a web-based Ethernet I/O module, features a built-in web server, which allows configuration, I/O monitoring and I/O control by simply using a regular web browser. Besides, with the web HMI function, no more programming or HTML skills are needed; creating dynamic and attractive web pages for I/O monitoring and I/O control would be fun to engineers ever after. The ET-7042 offers easily and safely access for users from anytime and anywhere! In addition, the ET-7042 also supports Modbus/TCP protocol that makes perfect integration for ET-7042 to SCADA software.

The ET-7042 provides 16 isolated open collector (sink type) output channels. Each output channel supports 100mA currnet driving @5~30Vdc.

☑ Applications

Building Automation, Factory Automation, Machine Automation, Remote Maintenance, Remote diagnosis, Testing Equipment

☑ I/O Specifications

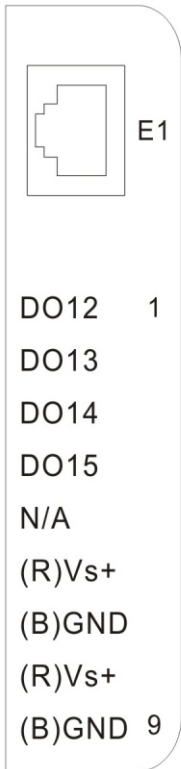| Digital Output	
Channels	16
Output Type	Sink, Open Collector
Output Voltage	+5Vdc to 30Vdc
Output Current	100mA per channel, Direct drive power relay module

☑ System Specifications

System	
CPU	80186 CPU (80MHz)
SRAM	512K Bytes
Flash Memory	512K Bytes
EEPROM	16K Bytes
Dual Watchdog	Yes
Communication LED Indicator	
Ethernet Port	10 / 100 Base TX (With Link, Activity LED Indicator) Automatic MDI/MDI-X Crossover
2 Way Isolation	
Ethernet	1500 Vrms
DO	3750 Vrms
Mounting	
Din Rail Mount	Yes
Wall Mount	Yes
Power Requirements	
Protection	Power reverse polarity protection
Required Supply Voltage	+10Vdc to 30Vdc (non-regulated)
LED Indicator	Yes
Power Consumption	0.12A/24Vdc Max.
Environment	
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-30 ~ +80 °C
Relative Humidity	5% to 90% Non-condensing
Dimensions	
Dimensions(W x H x D)	123 mm x 72 mm x 33 mm

Pin Assignment

E1	23 DO11
	DO10
	DO9
	DO8
	DO7
DO12 1	DO6
DO13	DO5
DO14	DO4
DO15	DO3
N/A	DO2
(R)Vs+	DO1
(B)GND	DO0
(R)Vs+	DO.GND
(B)GND 9	10 DO.PWR

Wire Connection

Output Type	Readback as 1	Readback as 0
	Relay ON	Relay Off
Drive Relay	DO.PWR / DOx / DO.GND	DO.PWR / DOx / DO.GND
Resistance Load	DO.PWR / DOx / DO.GND	DO.PWR / DOx / DO.GND

Dimensions

Unit : mm

49
11
56
101.2
123
33
11
59,2
72

Front View

Right Side View

35

Bottom View

DIN-Rail Mounting

Wall Mounting
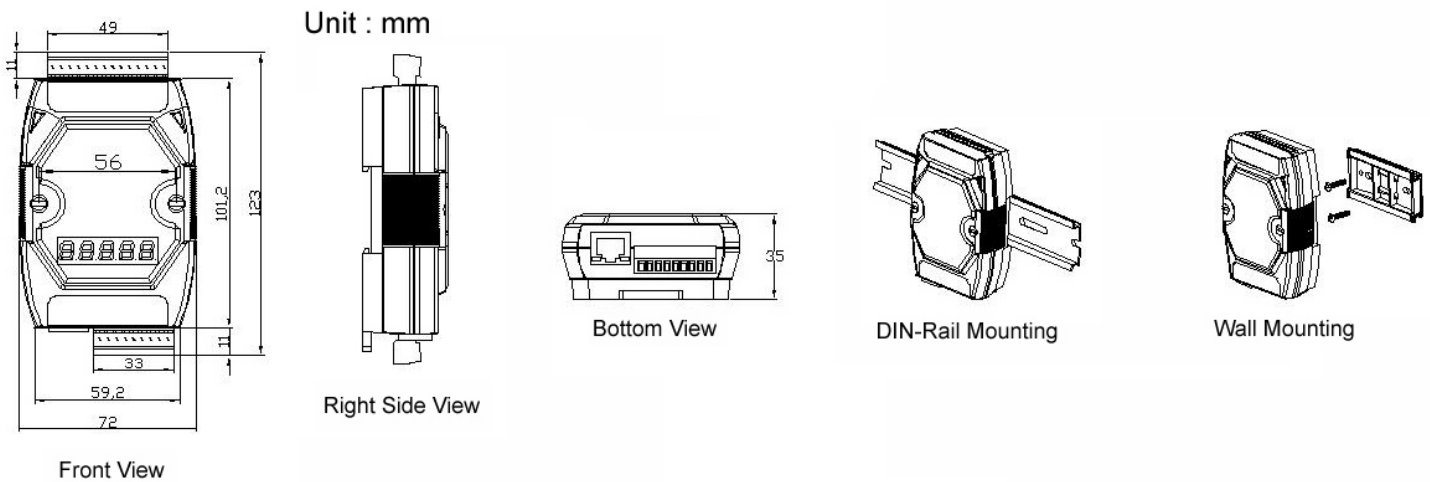
Ordering Information

ET-7042 CR	16-channel Sink Type Open Collector Isolated Digital Output Module (RoHS)

Accessories

GPSU06U-6	24V/0.25A output power supply
MDR-20-24	24V/1A output power supply with DIN-Rail
NS-205 CR	Unmanaged 5-Port Industrial Ethernet Switch

GPSU06U-6   MDR-20-24   NS-205 CR