Relay Output

Features

- Built-in Web Server
- Communication Security
- Modbus/TCP Protocol
- 2-way Isolation/ESD Protection
- Built-in Dual Watchdog
- 10/100 Base-TX Ethernet
- I/O Pair Connection
- DO Type: 8 Power Relay (Form A)

ET-7067

8-channel Power Relay Output Module

Introduction

The ET-7067, 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-7067 offers easily and safely access for users from anytime and anywhere! In addition, the ET-7067 also supports Modbus/TCP protocol that makes perfect integration for ET-7067 to SCADA software.

The ET-7067 provides 8 power relay (form A) output channels. Each power relay supports contact rating as 5 A @ 250 V_{AC} or 5 A @ 30 V_{DC}.

Applications

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

I/O Specifications

Relay Output		
Output Channels		8
Output Type		Power Relay, Form A (SPST N.O.)
Contact Rating		5.0 A @ 250 V_{AC}, 5.0 A @ 30 V_{DC}
Operate Time		6 ms
Release Time		3 ms
Electrical Life (Resistive Load)	VDE	5A 250 V_{AC} 30,000 ops (10 ops/minute) at 75 °C
		5A 30 V_{DC} 70,000 ops (10 ops/minute) at 75 °C
	UL	5A 250 V_{AC}/30 V_{DC} 6,000 ops.
		3A 250 V_{AC}/30 V_{DC} 100,000 ops.
Mechanical Life		20,000,000 ops. at no load (300 ops./minute)

System Specifications

System		
CPU		80186 CPU (80 MHz)
SRAM		512 KB
Flash Memory		512 KB
EEPROM		16 KB
Dual Watchdog		Yes
Communication		
Ethernet Port		10/100 Base-TX (With link, activity led indicator) and auto MDI/MDI-X
2-Way Isolation		
Ethernet		1500 V_{rms}
Relay Output		3000 V_{rms}
LED Display		L1 LED as run indicator
		L2 LED as Link/Act indicator
		L3 LED as 10/100M indicator
Power Requirements		
Protection		Power reverse polarity protection
Required Supply Voltage		+10 V_{DC} ~ +30 V_{DC} (non-regulated)
Power Consumption		0.14 A @ 24 V_{DC} Max.
Mechanical		
Dimensions (W x H x D)		72 mm x 123 mm x 35 mm
Installation		DIN-Rail or Wall mounting
Environment		
Operating Temperature		-25 °C ~ +75 °C
Storage Temperature		-30 °C ~ +80 °C
Humidity		5 ~ 90% RH, non-condensing

Pin Assignment

Terminal No.	Pin Assignment
E1	RJ-45
01	RL6 NO
02	RL6 COM
03	RL7 NO
04	RL7 COM
05	N/A
06	(R)+Vs
07	(B)GND
08	(R)+Vs
09	(B)GND
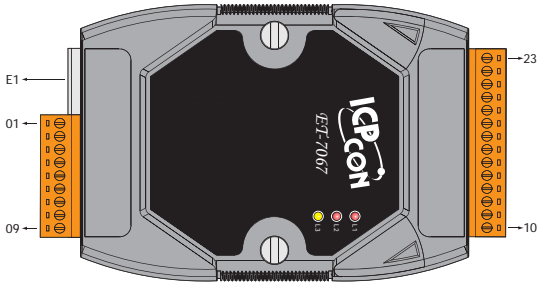
Terminal No.	Pin Assignment
23	RL5 COM
22	RL5 NO
21	RL4 COM
20	RL4 NO
19	RL3 COM
18	RL3 NO
17	RL2 COM
16	RL2 NO
15	RL1 COM
14	RL1 NO
13	RL0 COM
12	RL0 NO
11	N/A
10	N/A

Wire Connection

Digital Output	Readback as 1	Readback as 0
Relay Output	Relay On	Relay Off
	RLx.COM Relay Close AC/DC LOAD RLx.NO To other channels	RLx.COM Relay Open AC/DC LOAD RLx.NO To other channels

Dimensions (Unit: mm)

Front View

Right Side View

Bottom View

Wall Mount
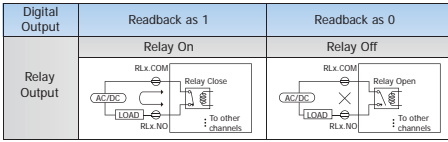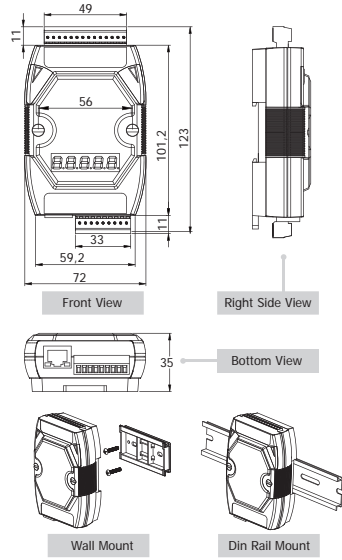
Din Rail Mount

Ordering Information

ET-7067 CR	8-channel Power Relay Output Module (RoHS)

Accessories

GPSU06U-6	24V/0.25A, 6 W Power Supply
MDR-20-24	24V/1A, 24 W Power Supply with DIN-Rail Mounting
NS-205 CR	Unmanaged 5-Port Industrial Ethernet Switch (RoHS)