



ET-7060
PET-7060

ET-7260
PET-7260

Ethernet I/O Module with 6-ch DI, 6-ch Power Relay

Features

- Built-in Web Server
- Web HMI
- Support for both Modbus TCP and Modbus UDP Protocols
- Communication Access Control
- 2-port Ethernet Switch (LAN bypass) for Daisy-chain Wiring
- Dual Watchdog
- I/O Pair Connection
- Built-in I/O
  - DI/Counter: 6 Channels
  - Power Relay: 6 Channels

Introduction

The ET-7060/PET-7060/ET-7260/PET-7260 provides 6 wet contact digital input channels and 6 form A electromechanical relays. It features optical isolation for 3000 VDC of transient overvoltage protection and doesn't have channel-to-channel isolation. Each input channel can be used as a 32-bit counter. The power-on value and safe value of relay are programmable.

Note: When inductive loads are connected to the relays, a large counter electromotive force may occur when the relay actuates because of the energy stored in the load. These flyback voltages can severely damage the relay contacts and greatly shorten the relay life. Limit these flyback voltages at your inductive load by installing a flyback diode for DC loads or a metal oxide varistor for AC loads.

System Specifications

Model	ET-7060	PET-7060	ET-7260	PET-7260
Software				
Built-in Web Server	Yes			
CPU Module				
Watchdog Timer	Module, Communication (Programmable)			
2-Way Isolation				
Ethernet	1500 VDC	-	1500 VDC	-
I/O	3000 VDC			
EMS Protection				
EFT (IEC 61000-4-4)	±2 kV for Power Line		±4 kV for Power Line	
ESD (IEC 61000-4-2)	±4 kV Contact for Each Terminal ±8 kV Air for Random Point			
Surge (IEC 61000-4-5)	±0.5 kV for Power Line		±2 kV for Power Line	
LED Indicators				
Status	Run, Ethernet	Run, Ethernet, PoE	Run, Ethernet, I/O	Run, Ethernet, I/O, PoE
Ethernet				
Ports	1 x RJ-45, 10/100 Base-TX		2 x RJ-45, 10/100 Base-TX, Swtich Ports	
PoE	-	Yes	-	Yes
LAN bypass	-		Yes	
Access Control	ID, Password and IP Filter			
Protocol	Modbus TCP, Modbus UDP			
Power				
Reverse Polarity Protection	Yes			
Consumption	2.9 W (max.)	2.8 W (max.)	3.6 W (max.)	3.8 W (max.)
Powered from PoE	-	IEEE 802.3af	-	IEEE 802.3af
Powered from Terminal Block	+10 ~ +30 VDC	+12 ~ +48 VDC		

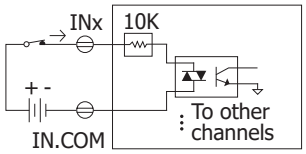
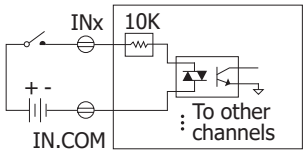
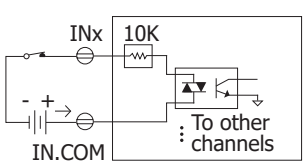
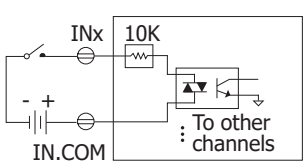
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Model	ET-7060 PET-7060	ET-7260 PET-7260
Mechanical		
Dimensions (mm)	72 x 123 x 35 (W x L x H)	76 x 120 x 42 (W x L x H)
Installation	DIN-Rail Mounting	
Environment		
Operating Temperature	-25 ~ +75℃	
Storage Temperature	-30 ~ +80℃	
Humidity	10 ~ 90% RH, Non-condensing	

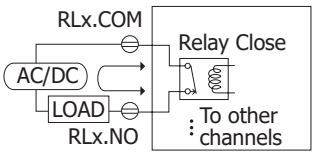
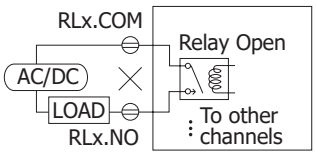
I/O Specifications

Model	ET-7060 PET-7060	ET-7260 PET-7260
Digital Input/Counter		
Channels	6	
Type	Wet Contact	
Sink/Source (NPN/PNP)	Sink/Source	
ON Voltage Level	+10 ~ +50 V_{DC}	
OFF Voltage Level	+4 V_{DC} (max.)	
Max. Counts	4,294,967,295 (32-bit)	
Frequency	500 Hz	100 Hz
Min. Pulse Width	1 ms	5 ms
Input Impedance	10 kΩ	
Overvoltage Protection	+70 V_{DC}	
Relay Output		
Channels	6	
Type	Power Relay, Form A (SPST N.O.)	
Contact Rating	5 A @ 250 V_{AC}/24 V_{DC} (Resistive Load)	
Operate Time	10 ms (max.)	
Release Time	5 ms (max.)	
Electrical Endurance	10^5 ops.	
Mechanical Endurance	2×10^7 ops.	
Power on Value	Programmable	
Safe Value	Programmable	

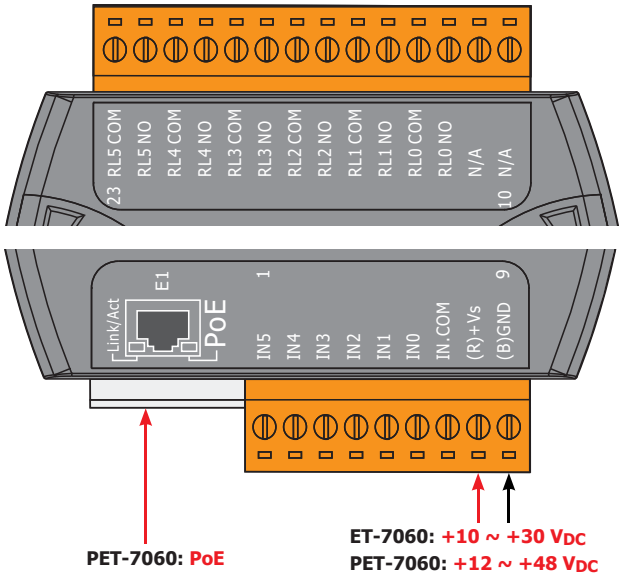
Wire Connections

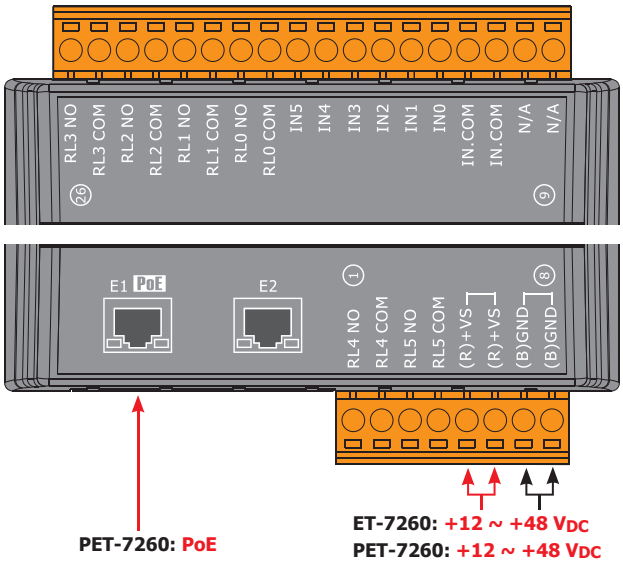
Digital Input/Counter	Readback as 1	Readback as 0
Sink	+10 ~ +50 V_{DC}	OPEN or <4 V_{DC}
		
Source	+10 ~ +50 V_{DC}	OPEN or <4 V_{DC}
		

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Power Relay	ON State Readback as 1	OFF State Readback as 0
Relay Output		

Pin Assignments





Ordering Information

ET-7060 CR	Ethernet I/O Module with 6-ch DI, 6-ch Power Relay (RoHS)
PET-7060 CR	PoE I/O Module with 6-ch DI, 6-ch Power Relay (RoHS)
ET-7260 CR	Ethernet I/O Module with 2-port Ethernet Switch, 6-ch DI, 6-ch Power Relay (RoHS)
PET-7260 CR	PoE I/O Module with 2-port Ethernet Switch, 6-ch DI, 6-ch Power Relay (RoHS)

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