

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 -

Models	ET-7060	PET-7060	ET-7260	PET-7260			
Software							
Built-in Web Server	Yes						
Web HMI	Yes						
I/O Pair Connection	Yes						
Communication							
Ethernet Port	1 x RJ-45, 10/100 Base-TX 2 x RJ-45, 10/100 Base-TX, Swtich Ports						
PoE	-	Yes	-	Yes			
Protocol		Modbus TCP,	Modbus UDP				
Security		ID, Password and IP Filter					
Dual Watchdog		Yes, Module (0.8 seconds), Communication (Programmable)					
LED Indicators							
for System Running		Y	es				
for Ethernet Link/Act		Yes					
for DI/DO status	- Yes						
for PoE Power	-	Yes	-	Yes			
2-Way Isolation			·				
Ethernet	1500 V _{DC}	-	1500 VDC	-			
I/O	3000 VDC						
EMS Protection							
ESD (IEC 61000-4-2)		\pm 4 kV Contact for Each Terminal and \pm 8 kV Air for Random Point					
EFT (IEC 61000-4-4)	±2 kV for	Power Line	±4 kV for Power Line				
Surge (IEC 61000-4-5)	±0.5 kV fo	r Power Line	±2 kV for Power Line				
Power							
Reverse Polarity Protection	Yes						
Powered from Terminal Block	10 ~ 30 VDC	12 ~ 48 VDC	12 ~ 48 VDC	12 ~ 48 VDC			
Powered from PoE	-	Yes, IEEE 802.3af, Class1	-	Yes, IEEE 802.3af, Class1			
Consumption	2.9 W (Max.)	2.8 W (Max.)	2.8 W (Max.) 3.6 W (Max.) 3.8				
Mechanical							
Dimensions (L x W x H)	123 mm x 72 mm x 35 mm 120 mm x 76 mm x 38 mm						
Installation	DIN-Rail or Wall Mounting						
Environment							
Operating Temperature	-25 ~ +75℃						
Storage Temperature	-30 ~ +80°C						
Humidity	10 ~ 90% RH, Non-condensing						

I/O Specifications _____

Models		ET-7060	PET-7060	ET-7260	PET-7260			
Digital Input/Counter								
Channels		6						
Contact		Wet Contact						
Sink/Source	Sink/Source (NPN/PNP)		Sink/Source					
On Voltage Level		+10 VDC ~ +50 VDC						
Off Voltage	Off Voltage Level		+4 VDC Max.					
Input Imp	Input Impedance		10 kΩ					
	Max. Count		4,294,967,2	95 (32 bits)				
Counters	Max. Input Frequency	500) Hz					
	Min. Pulse Width	1	1 ms 5 ms					
Overvoltag	Overvoltage Protection		+70 VDC					
Power Re	elay							
Channels		6						
Туре	Туре		Power Relay, Form A (SPST N.O.)					
Contact Ra	Contact Rating		5 A @ 250 VAC/24 VDC (Resistive Load)					
Min. Conta	Min. Contact Load		10 mA @ 5 V					
Operate Time		10 ms (max.)						
Release Time		5 ms (max.)						
Mechanical Endurance		2×10^7 ops.						
Electrical Endurance		10 ⁵ ops.						
Power-on Value		Yes, Programmable						
Safe Value		Yes, Programmable						

Pin Assignments _____



Wire Connections ____

Digital Input/ Counter	Readback as 1	Readback as 0	Power Relay	ON State Readback as 1
	+10 ~ +50 V _{DC}	OPEN or <4 V _{DC}		RLx.COM
Sink	INX 10K To ther IN.COM	INX 10K		AC/DC LOAD RLx.NO RLx.NO RLx.NO Relay Close To other channels
	+10 ~ +50 V _{DC}	OPEN or <4 V _{DC}	Relay Output	OFF State Readback as 0
Source	INX 10K INX INK INK INK INX INK	INX 10K - + IN.COM : To other channels		RLx.COM Relay Open AC/DC LOAD RLx.NO : To other channels

Ordering Information _____

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