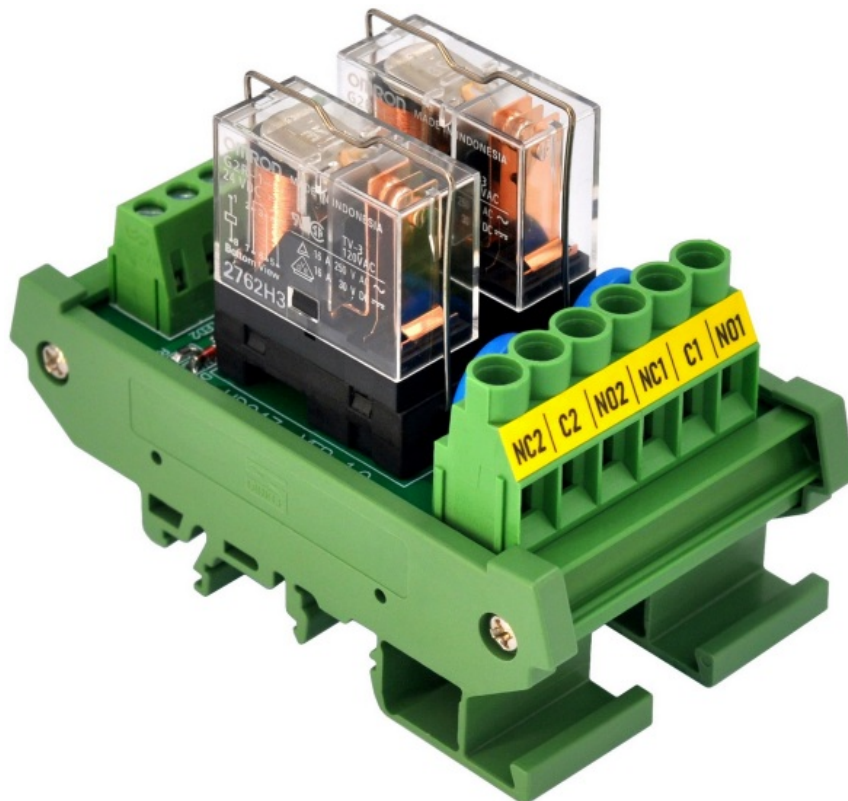


Omron HD047-12V Pluggable Power Relay Module User Manual

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Omron HD047-12V Pluggable Power Relay Module User Manual



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Feature

- Omron G2R-1-E industrial power relays, switching current up to 16 Amp at 250VAC (or 30VDC).
- Support control mode: DC Common positive (Sink, NPN), DC Common negative (Source, PNP), or AC mode.
- LED indicator for each relay channel.
- Relay coil protection by means of a freewheeling diode.
- Easy to replace pluggable relays.
- Output switch COM to N/O with metal oxide varistor, surge protection up to 4500A(8/12 μ S).
- High quality fireproof nylon material DIN rail mount carrier (UL CE certified, not China low quality carrier), can support width 35mm / 32mm / 15mm rail.
- UL CE CQC certified terminal blocks. 94-V0 FR-4 fiber glass PCB.

Characteristic Parameters

SKU		HD047-12V	HD047-24V
Relay Part Number		G2R-1-E 12VDC	G2R-1-E 24VDC
Operating Voltage Range		DC 9.0 – 18V AC 9.0 – 15V	DC 18 – 36V AC 15 – 30V
Operating Current (Each channel)		32mA @12V	16mA @24V
For AC	Resistive load: 250VAC. 16AmpInductive load: 250VAC, 8Amp		
For DC	Resistive load: 30VDC. 16AmpInductive load: 30VDC. 8Amp		
Mechanical endurance	20,000,000 operations min. (at 18,000 operations/hr)		
Electrical endurance	100,000 operations min. (at 1,800 operations/hr under rated load)		
Terminal Blocks:			
Input	Wire range 26AWG to 12AWG / 2.5mm square. Pitch 5.0mm / 0.197". Strip length 7mm. Screws – M2.5		
Output	Wire range 26AWG to 10AWG / 4.0mm square. Pitch 7.62mm 10.3". Strip length 8mm. Screws — M3		

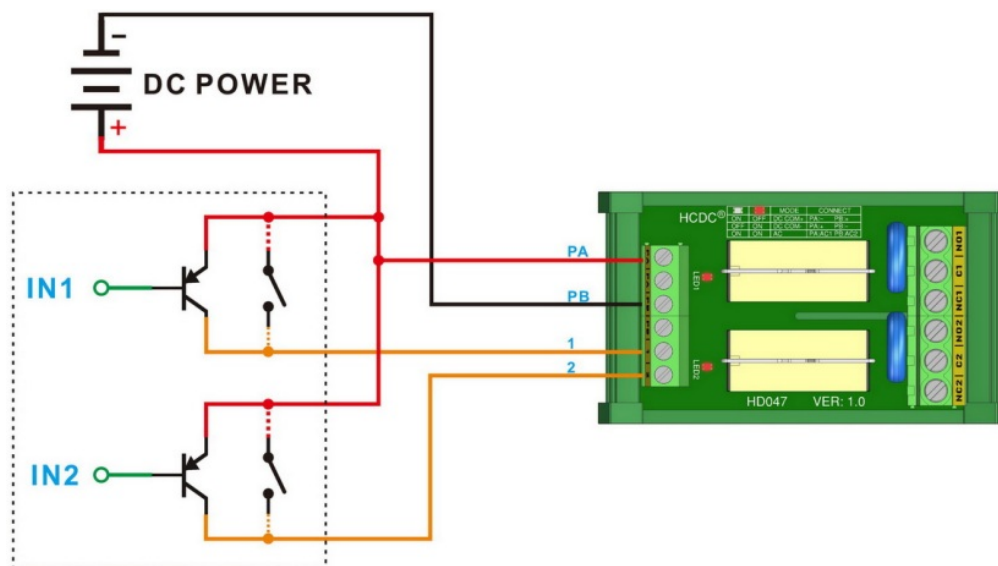
Schematic

SCHEMATIC				
CHANNEL NO.	INPUT		RELAY	OUTPUT
	SCREW CONNECTOR TERMINAL	CONTROL CIRC UIT UINT		SCREW CONNECTOR TERMINAL

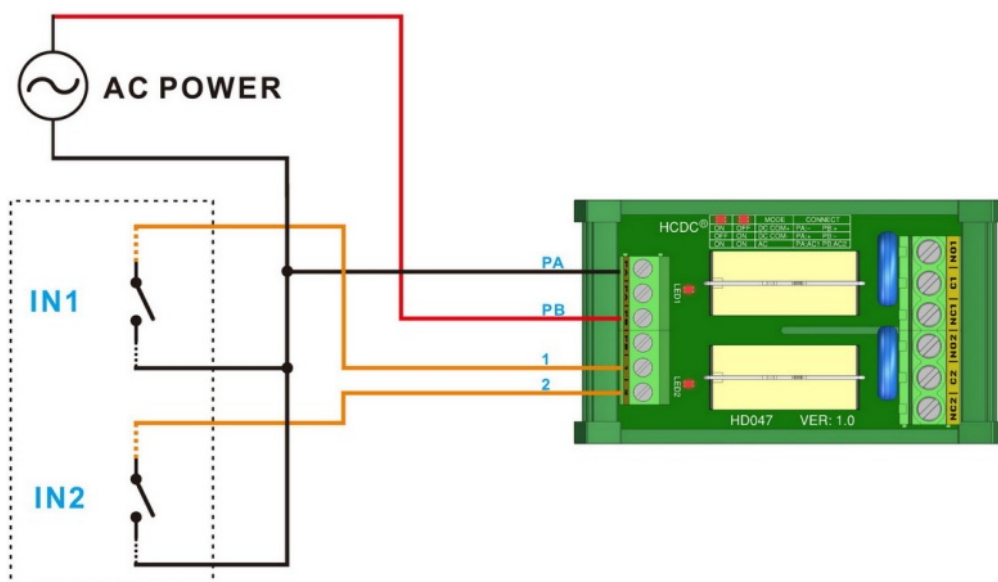
CH1	
CH2	

Sink/NPN

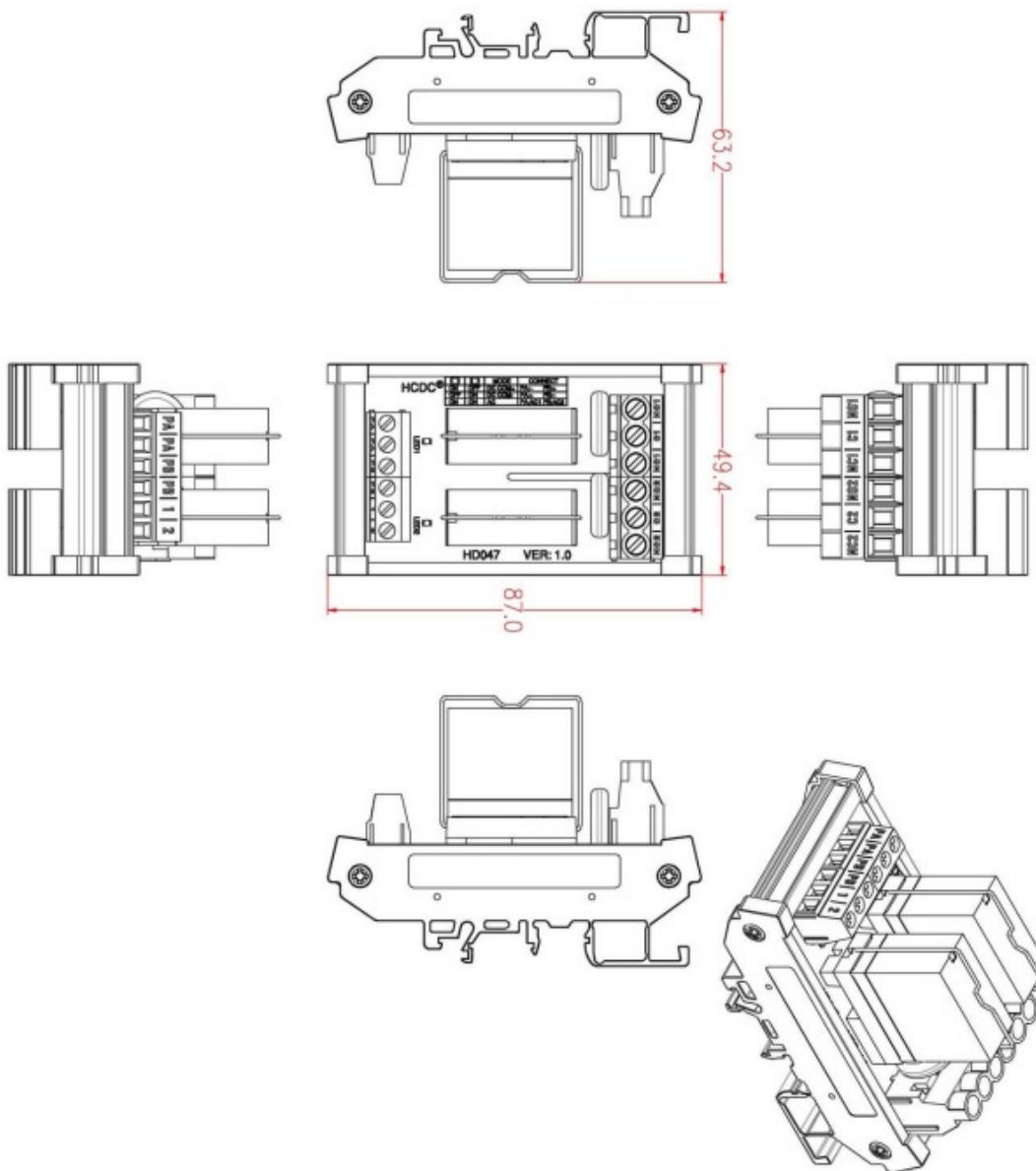




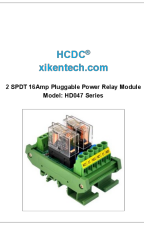
AC INPUT



Dimensions



Documents / Resources

	<p>Omron HD047-12V Pluggable Power Relay Module [pdf] User Manual</p> <p>HD047-12V Pluggable Power Relay Module, HD047-12V, Pluggable Power Relay Module, Power Relay Module, Relay Module, Module</p>
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References

- [Xi Interface module, relay module, terminal block module, Fuse module, DIN Rail Mount module](#)
- [User Manual](#)

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