

# Power Relays

## Features

- High power contacts capable of switching up to 40A
- Open construction
- SPDT, DPST and DPDT models
- Riveted construction for high reliability
- Maximum contact voltage up to 600V

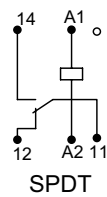


**AD-PR40-1C-12D**

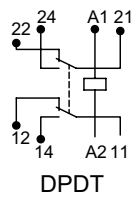
Power Relays					
Part Number	Price	Drawing Links	Coil Voltage	Configuration	Contact Rating
<a href="#">AD-PR40-1C-12D</a>	\$17.00	<a href="#">PDF</a>	12VDC	SPDT	40A
<a href="#">AD-PR40-1C-24D</a>	\$18.00	<a href="#">PDF</a>	24VDC		
<a href="#">AD-PR40-1C-24A</a>	\$21.50	<a href="#">PDF</a>	24VAC		
<a href="#">AD-PR40-1C-120A</a>	\$18.50	<a href="#">PDF</a>	120VAC		
<a href="#">AD-PR40-1C-240A</a>	\$22.00	<a href="#">PDF</a>	240VAC		
<a href="#">AD-PR40-2A-12D</a>	\$21.00	<a href="#">PDF</a>	12VDC	DPST	
<a href="#">AD-PR40-2A-24D</a>	\$21.00	<a href="#">PDF</a>	24VDC		
<a href="#">AD-PR40-2A-24A</a>	\$20.00	<a href="#">PDF</a>	24VAC		
<a href="#">AD-PR40-2A-120A</a>	\$20.00	<a href="#">PDF</a>	120VAC		
<a href="#">AD-PR40-2A-240A</a>	\$21.00	<a href="#">PDF</a>	240VAC		
<a href="#">AD-PR40-2C-12D</a>	\$22.50	<a href="#">PDF</a>	12VDC	DPDT	
<a href="#">AD-PR40-2C-24D</a>	\$23.00	<a href="#">PDF</a>	24VDC		
<a href="#">AD-PR40-2C-24A</a>	\$23.00	<a href="#">PDF</a>	24VAC		
<a href="#">AD-PR40-2C-120A</a>	\$23.00	<a href="#">PDF</a>	120VAC		
<a href="#">AD-PR40-2C-240A</a>	\$23.00	<a href="#">PDF</a>	240VAC		

## Wiring Diagrams

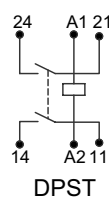
**AD-PR40-1C-xxxx**



**AD-PR40-2C-xxxx**



**AD-PR40-2A-xxxx**



# Power Relays Specifications

Power Relays Specifications															
Part Numbers	AD-PR40-1C-12D	AD-PR40-1C-24D	AD-PR40-1C-24A	AD-PR40-1C-120A	AD-PR40-1C-240A	AD-PR40-2A-12D	AD-PR40-2A-24D	AD-PR40-2A-24A	AD-PR40-2A-120A	AD-PR40-2A-240A	AD-PR40-2C-12D	AD-PR40-2C-24D	AD-PR40-2C-24A	AD-PR40-2C-120A	AD-PR40-2C-240A
<b>General Specifications</b>															
<b>Service Life</b>	Mechanical: 1 million operations AC and DC Electrical (resistive): 50,000 operations @ 300VAC; 100,000 @ 28VDC														
<b>Operating Temperature</b>	-55 to 55°C [-67 to 131°F]														
<b>Response Time</b>	30ms														
<b>Weight</b>	227g [ 8oz] to 312g [11oz]														
<b>Environmental Protection</b>	Not applicable to open relays														
<b>Pilot Duty</b>	A600														
<b>Terminal Wire</b>	Max 10AWG														
<b>Terminal Torque</b>	11 to 15 in-lb [1.2 to 1.7 N·m]														
<b>Agency Approvals and Standards</b>	UL Recognized E191059, CE Certified (9667186-9811), CSA Certified 244610, RoHS														
<b>Coil Specifications</b>															
<b>Coil Input Voltage</b>	12VDC	24VDC	24VAC 50/60 Hz	120VAC 50/60 Hz	240VAC 50/60 Hz	12VDC	24VDC	24VAC 50/60 Hz	120VAC 50/60 Hz	240VAC 50/60 Hz	12VDC	24VDC	24VAC 50/60 Hz	120VAC 50/60 Hz	240VAC 50/60 Hz
<b>Coil Resistance</b>	70Ω	290Ω	12Ω	290Ω	1.2 kΩ	70Ω	290Ω	12Ω	290Ω	1.2 kΩ	70Ω	290Ω	12Ω	290Ω	1.2 kΩ
<b>Power Consumption</b>	10VA (AC) , 4.0 W DC														
<b>Dropout Voltage (% of rated voltage)</b>	Min. 10%														
<b>Pull-in Voltage</b>	Max. 85% of nominal voltage or less AC, Max. 80% of nominal voltage or less DC														
<b>Max. Voltage (Continuous Voltage)</b>	110% of the rated coil voltage														
<b>Contact Specifications</b>															
<b>Contact Type</b>	SPDT					DPST (N.O.)					DPDT				
<b>Contact Material</b>	Silver Alloy, gold flashed														
<b>Contact Rating</b>	40A, 300 VAC (resistive load) 40A, 28 VDC (resistive load) 5A, 480 VAC (resistive load) 5A, 600 VAC (resistive load) 15A, 120 VAC (tungsten filament) 2hp each pole 120-600 VAC 2hp sw. 2 poles 120-600 VAC														
<b>Minimum Switching Requirement</b>	1A @ 5VAC/VDC														
<b>Maximum Switching Voltage</b>	600V														
<b>Dielectric Strength Between Contacts</b>	Between coil and contact: 2200V ; Between poles: 2200V ; Between open contacts: 1500V														