

Power Relays



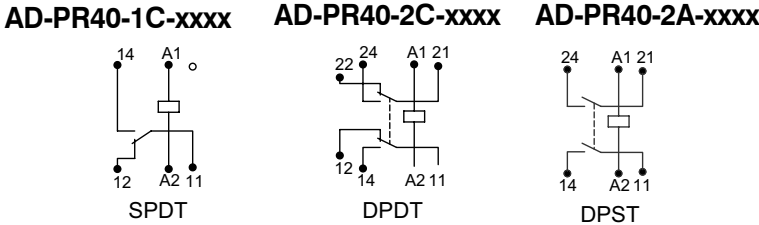
AD-PR40-1C-12D shown

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

Power Relay Selection Guide					
Part Number	Price	Coil Voltage	Configuration	Contact Rating	Dimensions
AD-PR40-1C-12D	\$14.75	12VDC	SPDT	40A	Figure 1
AD-PR40-1C-24D	\$15.75	24VDC			
AD-PR40-1C-24A	\$18.00	24VAC			
AD-PR40-1C-120A	\$16.25	120VAC			
AD-PR40-1C-240A	\$18.50	240VAC			
AD-PR40-2A-12D	\$17.50	12VDC	DPST	40A	Figure 2
AD-PR40-2A-24D	\$17.50	24VDC			
AD-PR40-2A-24A	\$17.25	24VAC			
AD-PR40-2A-120A	\$17.25	120VAC			
AD-PR40-2C-12D	\$19.25	12VDC	DPDT	40A	Figure 3
AD-PR40-2C-24D	\$19.75	24VDC			
AD-PR40-2C-24A	\$19.75	24VAC			
AD-PR40-2C-120A	\$19.50	120VAC			
AD-PR40-2C-240A	\$19.75	240VAC			

Wiring



Dimensions inches [mm]

Figure 1
AD-PR40-1C-xx

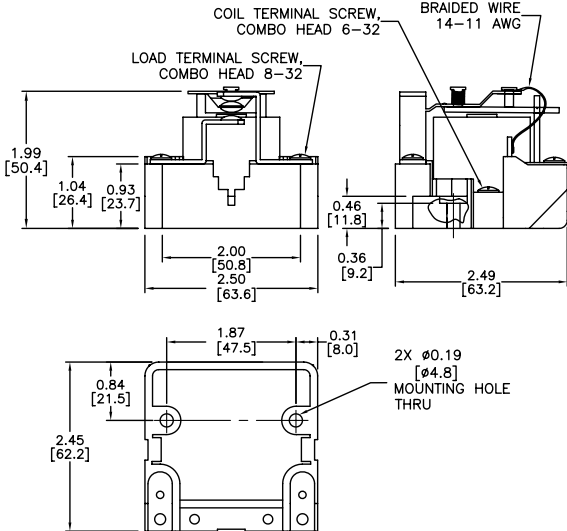
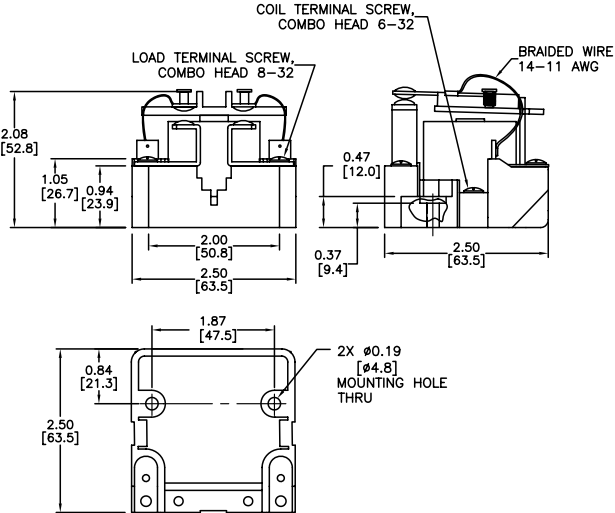


Figure 2
AD-PR40-2A-xx



Power Relays Specifications

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

Dimensions inches [mm]

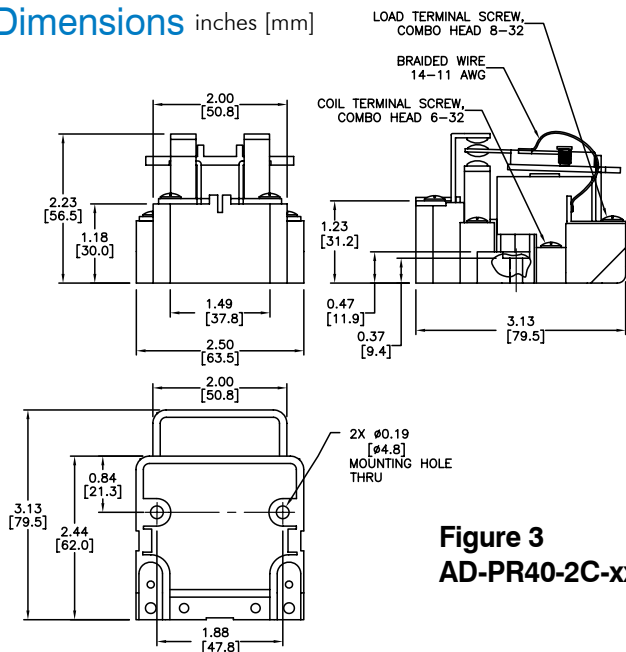


Figure 3
AD-PR40-2C-xx