

75 Series Electromechanical Relay Selection Guide

Company Info.

PLCs

Field I/O

Software

C-more & other HMI

AC Drives

AC Motors

Power Transmiss.

Steppers/ Servos

Motor Controls

Proximity Sensors

Photo Sensors

Limit Switches

Encoders

Current Sensors

Pressure Sensors

Temp. Sensors

Pushbuttons/ Lights

Process

Relays/ Timers

Comm.

Terminal Blocks & Wiring

Power

Circuit Protection

Enclosures

Tools

Pneumatics

Appendix

Part Index



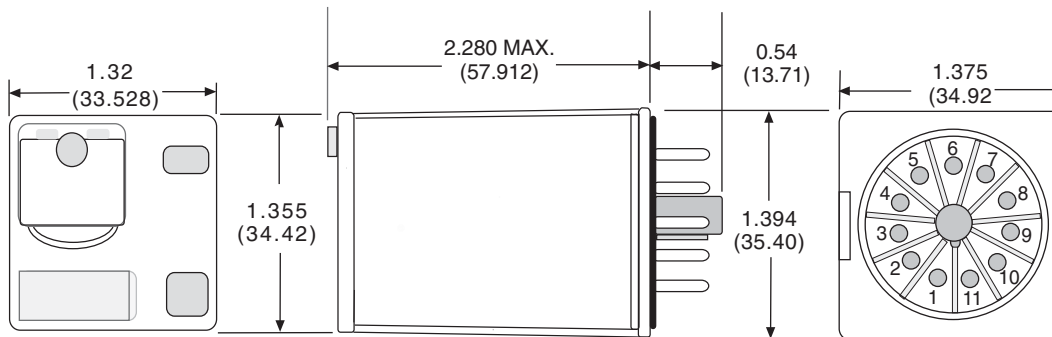
75 series relays are general purpose relays designed for a wide range of applications, from power to sequence controls in various factory machines and control panels. They are ideal for electric control panels requiring stable and reliable relays.

Features

- Octal base design
- Silver Cadmium Oxide, gold flashed contacts
- High open contact dielectric strength (1,500 VAC)
- High reliability and long life
- High vibration and shock resistance
- Flag indicator shows relay status in manual or powered condition
- LED indicator on all models, so you can easily see if relay is working properly without using a voltmeter
- A push button allows manual operation of the relay without the need for power to the coil
- I.D. tag/write label for identifying relays in multi-relay circuits

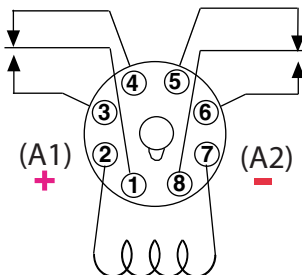
75 Series Relay Selection Guide						
Part Number	Price	Coil Voltage	Configuration	Contact Rating	Relay Socket Part Number	Price
750-2C-24D	<-->	24VDC	DPDT	12A	750-2C-SKT	<-->
750-2C-24A		24VAC				
750-2C-120A		120VAC				
750-2C-240A	<-->	220VAC	3PDT		750-3C-SKT	<-->
750-3C-24D	<-->	24VDC				
750-3C-24A	<-->	24VAC				
750-3C-120A	<-->	120VAC				
750-3C-240A	<-->	240VAC				

75 Series Relay Dimensions

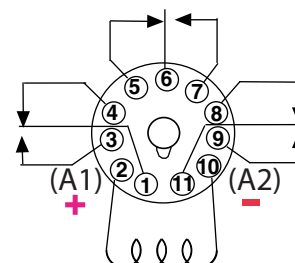


Note: Dimensions for the 750-2C-xxx are the same as shown above.

750-2C-xxx wiring diagram



750-3C-xxx wiring diagram



ORDER SOCKET SEPARATELY

75 Series Electromechanical Relay Specifications

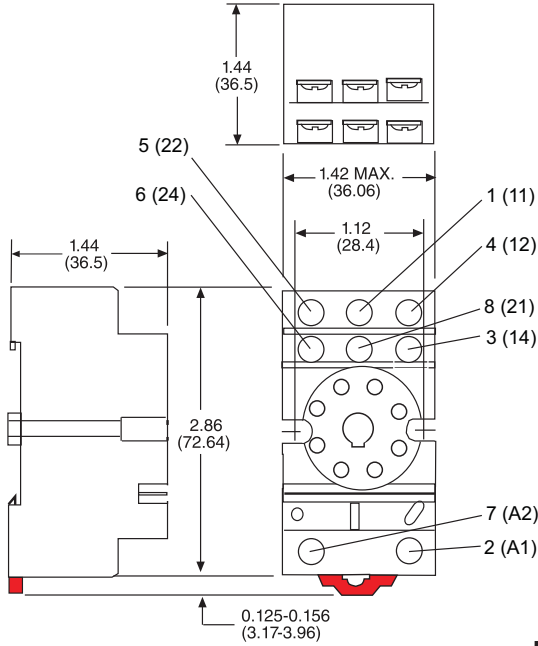
75 Series Specification Table								
Part Numbers	750-2C-24A	750-2C-120A	750-2C-240A	750-3C-24A	750-3C-120A	750-3C-240A	750-2C-24D	750-3C-24D
Contact Specifications								
Contact Type	DPDT			3PDT			DPDT	3PDT
Contact Material	Silver cadmium oxide, gold flashed							
Contact Rating	12A @ 120/240VAC 50/60Hz, 12A @ 28VDC 1/3Hp 120VAC, 1/2Hp 240VAC							
Minimum Switching Requirement	100mA @ 5VDC							
Contact Resistance	0.050Ω max. @ 10A, 120VAC or 24VDC Contacts conditioned for 50 make and break operations @ 1 sec. ON and 1 sec. OFF.							
Coil Specifications								
Standard	LED Indicator							
Coil Input Voltage	24VAC	120VAC	240VAC	24VAC	120VAC	240VAC	24VDC	24VDC
Coil Resistance	72Ω	1.7kΩ	9.1kΩ	72Ω	1.7kΩ	9.1kΩ	470Ω	
Power Consumption	2VA to 3.55VA (60Hz) AC						3.0 watts DC	
Dropout Voltage (% of rated voltage)	Min. 30%						Min. 10%	
Pull-in Voltage	Max. 85% of nominal voltage or less						Max. 80% of nominal voltage or less	
Max. Voltage (Max. continuous voltage)	110% of the rated coil voltage							
General Specifications								
Service Life	Mechanical: 5 million operations							
	Electrical: 200,000 operations @ rated resistive load							
Operating Temperature	-40°C to 50°C (-40°F to 122°F)						-40°C to 65°C (-40°F to 149°F)	
Weight	88g (3.1oz.)							
Agency Approvals and Standards	UL Recognized (E191059)*, CE Certified (9667186-9811), CSA Certified							

*Note: UL listed when used with sockets 781-1C-SKT, 782-2C-SKT, 783-3C-SKT, 784-4C-SKT, or 784-4C-SKT-1. Current limited to rating of relay or socket, whichever is less.

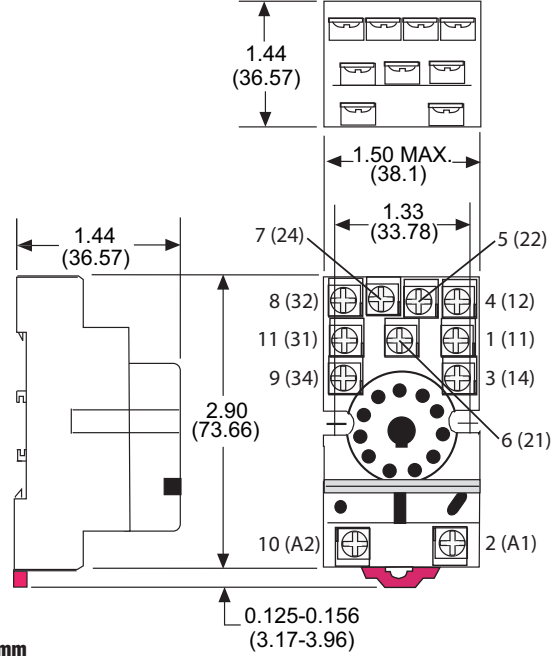
75 Series Contact Ratings (current)				
Voltage	Resistive			Motor Load
	Nominal	UL	CSA	UL
28VDC	12A	12A	12A	---
120VAC	12A	12A	12A	1/3Hp
240VAC	12A	12A	12A	1/2Hp

75 Series Socket Dimensions

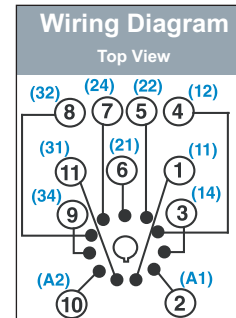
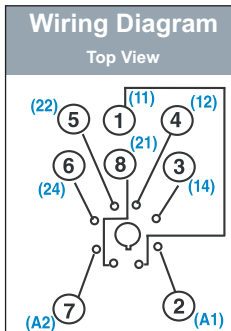
750-2C-SKT Dimensions



750-3C-SKT Dimensions



Dimensions: in./mm



Bus Connector



Accessory		
Part Number	Description	Price
33-796-1	Coil bus connector used to connect multiple relays in parallel. Package includes 5 pairs of bus bars to connect up to 5 relays together.	<--->