375 Series

Deltrol CONTROLS

375 Series 3 Pole 30 Amp Power Relay

RoHS Compliant

Power relay that controls electrical loads

Features

- 30 Amp switching on all contacts (25 amps in Europe)
- Coil Molded in Rynite® PET, providing Class F temperature insulation
- Dual flag terminal option allows easy serial connection of multiple devices
- Low cost alternative to small contactors
- PPS engineering thermoplastic panel provides superior mechanical and electrical characteristics

Typical Applications

•Electric Heat • Motor Control • Power Supplies

Models

375F: Flange Cover **375TM**: Top Mount Cover
375P: Printed Circuit Terminals

Contact Data	
Configuration	3PST-NO, 3PST-NC & 3PDT
Materials	All contacts 1/4" diameter silver cadmium oxide
Contact Ratings	

Model	Pole Configuration	UL Ratings
375	3PST-NO 3PST-NC 3PDT	30 Amp at 300 VAC 80% PF 15 Amp at 600 VAC 80% PF 30 Amp at 28 VDC 1 HP at 120 VAC 2 HP at 240/277 VAC; 100,000 cycles 3 HP at 480 VAC; 100,000 cycles 3 HP at 600 VAC; 100,000 cycles 5 HP at 230 VAC 3-phase; 6,000 cycles endurance 7.5 HP at 460 VAC 3-phase; 6,000 cycles endurance 20 Amp at 480 VAC ballast; 6,000 cycles 20 Amp at 277 VAC ballast; 6,000 cycles 30 Amp at 277 VAC resistive; 100,000 cycles 18 Amp at 480 VAC resistive; 250,000 cycles 15 Amp at 600 VAC resistive; 250,000 cycles 100 LRA, 30 FLA at 240/277 VAC; 100,000 cycles 50 LRA, 20 FLA at 600 VAC; 100,000 cycles
		European Ratings
375	3PST-NO 3PST-NC 3PDT	25 A at 300 VAC ~ AC1 25 A at 28 VDC ⎓ DC1 Per EN60947-4-1

Expected Life	Electrical at Rated Load (Min.) 100,000 Operations | Mechanical Life 10,000,000 Operations
Dielectric Strength	2200 VRMS, 60 Hz Between Contacts | 3750 VRMS, 60 Hz Between Other Elements
Agency Approvals	UL Recognized File No. E37066 | CE Marked AC1/DC1

All dimensions in Inches

Rynite® is a registered trademark of DuPont

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Coil Data			
	Nominal Voltage	**Resistance In Ohms ± 10%**	**Nominal Coil Power**
AC Coils	6 VAC 12 VAC 24 VAC 48 VAC 120 VAC 208 VAC 240 VAC 277 VAC	2.4 9.5 38 150 970 3,075 3,800 5,325	4.6 VA
DC Coils	6 VDC 12 VDC 24 VDC 48 VDC 110 VDC	14 56 230 900 4,900	2.6 W
Coil Voltages	AC: Up to 277 Volts/60 Hz | DC: Up to 125 Volts		
Coil Treatment	Molded Rynite® PET Std. Class F		
Insulation Resistance	100 Megohms Minimum		
UL Insulation System File No.	E74443 S155D 155°C Total Temperature Std. (Covers S105 Class A and S130D Class B Requirements)		
Operate Data			
Pick Up (at 25°C)	AC Volts 85% or Less of Nominal DC Volts 75% or Less of Nominal		
Operate Time	Approx. 15 Milliseconds		
Release Time	Approx. 15 Milliseconds		
Environmental Data			
Operating Ambient	50° C max. at full continuous operation. Consult factory for information on higher operating ambients		
Mechanical Data			
Terminals	.250" x .032" Quick Connect/Solder Dual Terminal Versions .250" x .032" Quick Connect		
Panel	PPS (polyphenylene sulfide) thermoplastic - Flammability Rating 94VO		
Cover	Clear Polycarbonate - Flammability Rating 94V2		
Weight	All Versions Approx. 3.5 oz. (99 g.)		

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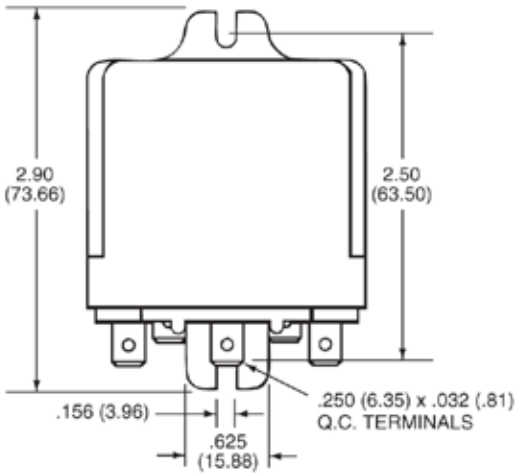
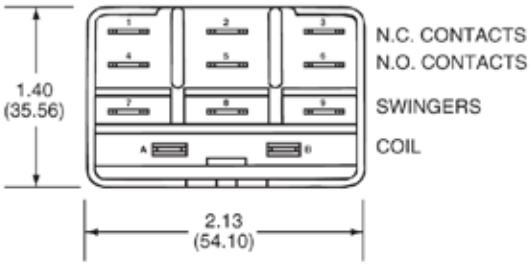
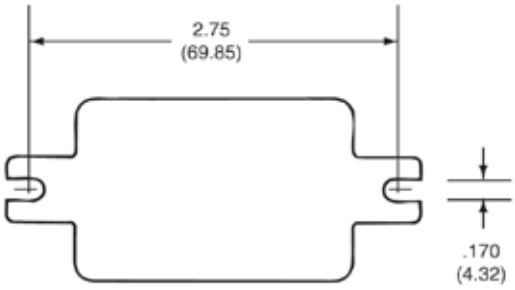
Dimensional View

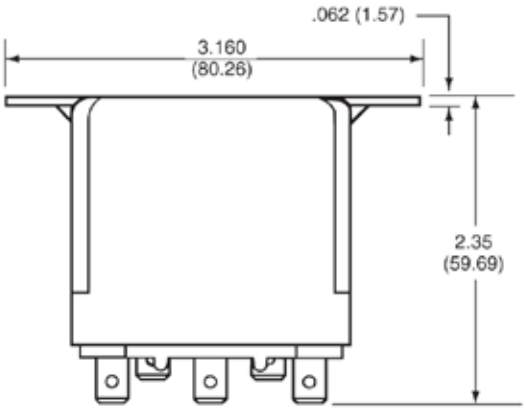
Units: Inches [mm]



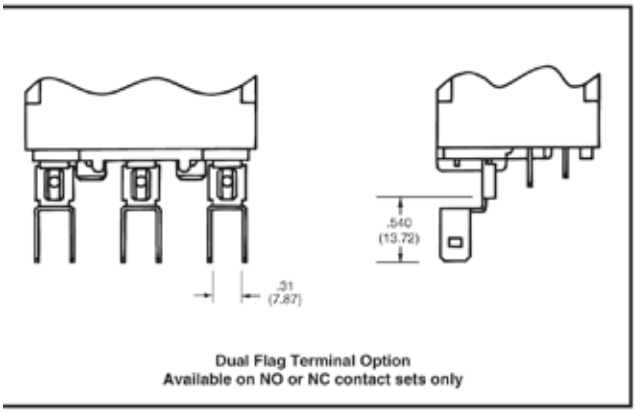
375F

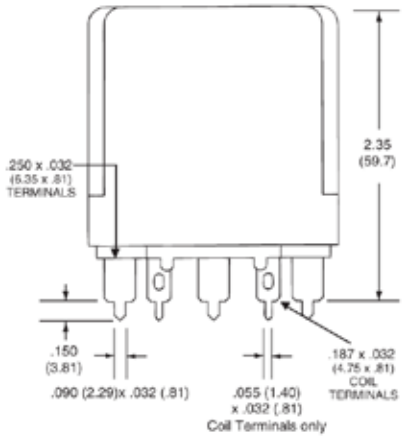






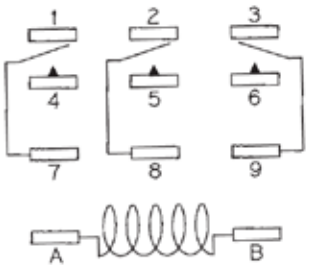
375TM



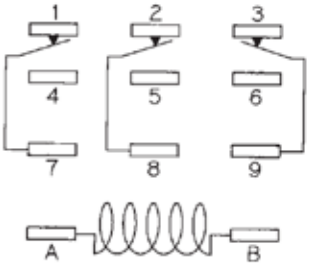


375P

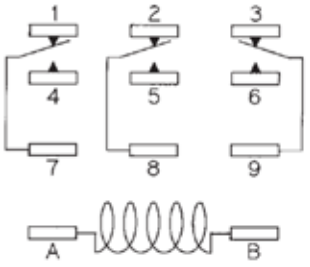
Schematics



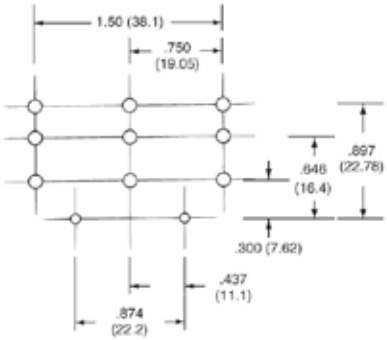
3PST-NO



3PST-NC



3PDT



PC BOARD LAYOUT - ALL PINS SHOWN. SELECT THOSE REQUIRED BASED ON SCHEMATIC FOR POLE CONFIGURATION UTILIZED. RECOMMENDED HOLE SIZES - .078 (1.98) FOR COIL (A&B) .109 (2.77) FOR OTHERS (1-9)

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