

**90-380**

## 90-360 thru 90-486 Relays

Heavy-duty general purpose relay operates in any position.

### Features

- Compact, totally enclosed design
- For heating and cooling applications and general switching
- Quiet, reliable and economical

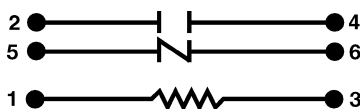
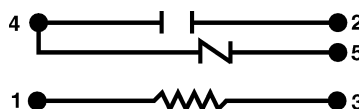
### Specifications

Temperature range.....-40°F to 150°F  
 Mechanical life (no load) ..... 1,000,000 operations, 120 operations/min.  
 Electrical life (rated load) ..... 100,000 operations, 6 operations/min.  
 ..... Load test making inrush rating (0.4 to 0.5 P.F.)  
 ..... Breaking 100% continuous rating (0.65 to 0.8 P.F.)  
 Coils, frequency.....50 / 60 Hz  
 Coils, insulation..... Class B  
 Coils, termination ..... 1/4" Quick Connect  
 Coils, operate ..... 85% of nominal coil voltage; 110% maximum safe operate  
 Coils, duty cycle.....Continuous  
 Weight.....2.3 oz.  
 UR/CUR file number..... E12139  
 CSA/CUS certificate number ..... LR13360

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| Coil voltage ac (50/60 hz) | Switch action | Res dc ohms | Coil data nom. Current ma | Coil data nominal va sealed | Inrush va | Model number | Item number |
|----------------------------|---------------|-------------|---------------------------|-----------------------------|-----------|--------------|-------------|
| 24                         | SPNO          | 77          | 125                       | 3                           | 4         | 90-360       | 90 360S1    |
| 24                         | SPDT          | 77          | 125                       | 3                           | 4         | 90-370       | 90 370S1    |
| 24                         | SPNO/SPNC     | 77          | 125                       | 3                           | 4         | 90-380       | 90 380S1    |
| 120                        | SPNO          | 2,000       | 25                        | 3                           | 4         | 90-362       | 90 362S1    |
| 120                        | SPDT          | 2,000       | 25                        | 3                           | 4         | 90-372       | 90 372S1    |
| 208/240                    | SPDT          | 6,050       | 12.5                      | 3                           | 4         | 90-374       | 90 374S1    |
| 208/240                    | SPNO/SPNC     | 6,050       | 12.5                      | 3                           | 4         | 90-384       | 90 384S1    |
| 277                        | SPNO          | 10,300      | 10.8                      | 3                           | 4         | 90-466       | 90 466S1    |
| 277                        | SPDT          | 10300       | 10.8                      | 3                           | 4         | 90-476       | 90 476S1    |
| 277                        | SPNO/SPNC     | 10300       | 10.8                      | 3                           | 4         | 90-486       | 90 486S1    |

### Wiring diagrams

**SPNO / SPNC****SPDT****SPNO**

### 90-360 THRU 90-486 RELAYS Contact Rating

| Inductive                                      | Resistive                        |
|------------------------------------------------|----------------------------------|
| 12 Amps. Continuous, 60 Amps. Inrush @ 125 VAC | 18 Amps.<br>Continuous @ 277 VAC |
| 8 Amps. Continuous, 48 Amps. Inrush @ 250 VAC  |                                  |

