# **PC Mount Relays**

### **RLY39 Series**

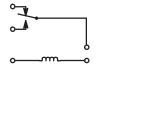
# **71**

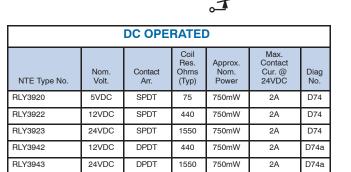
### **Features**

- Epoxy Sealed
- Low Profile
- Immersion Proof



SPDT, 1 Form "C" (Bottom View) DPDT, 2 Form "C" (Bottom View)





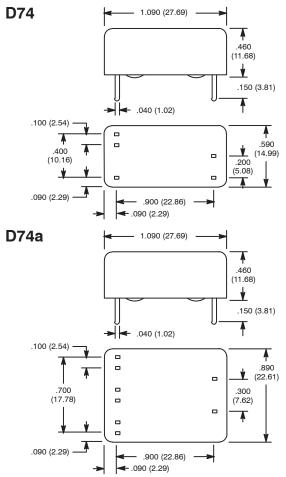
When soldering the relay to the PC board, solder temperature must not exceed +270°C, and solder time must not exceed 5 seconds. If necessary to hold the relay in place during soldering, the terminals of the coil and movable contact arm may be slightly bent after insertion through the board holes.

## CAUTION: Do not bend the terminals of the stationary contact arms, as this may alter contact adjustment.

The polyester cover of the relay is bonded to the relay base, but is not hermetically sealed. Therefore, if the board on which the relay is soldered is to be cleaned by immersion, cleaning time must not exceed two minutes. If fluorocarbons, chlorinated or hydrocarbon cleaning solutions are used, the temperature of the solution must not exceed  $+77^{\circ}$ C. If aqueousorganic solutions are used, temperature must not exceed  $\pm 80^{\circ}$ C.

After board cleaning, the tape on the top of the relay must be punctured before the relay is put into service. If the tape is not punctured, any normal outgassing could result in excessive contact resistance at load currents of less than the contact rating.

### Miniature, PC Mount, 2 Amp, Multicontact Relays.



## **Electrical Specifications**

#### Contact

Rating: 2 Amp @ 24 VDCMaterial: Gold Clad Silver PalladiumResistance: 100mΩ Max

#### Coil

Coil Voltages: See Chart Pick-up Voltages: 80% of nominal voltage or less Drop-out Voltages: 10% of nominal voltage or more Max. Allowed Voltage: 120% of nominal voltage, duty cycle 100% Nominal Power: 327mW max. min. sensitivity: 200mW Resistance: See Chart

#### **Operational Characteristics**

Timing Value: ... Operate Time: 4 mS max Release Time: 10 mS max

#### Insulation Characteristics

Dielectric Strength

Between All Mutually Insulated Points: 500 VAC/1 minute Insulation Resistance: 1000MΩ Min. @ 500 VDC

#### **Environmental Characteristics**

#### **Operating:** $-35^{\circ}C$ to $+70^{\circ}C$

Life

Mechanical: 100 million operations (no load) Electrical: 100,000 operations (under rated load) Weight

Std: SPDT - 5.5 grams (approx.); DPDT - 9.0 grams (approx)