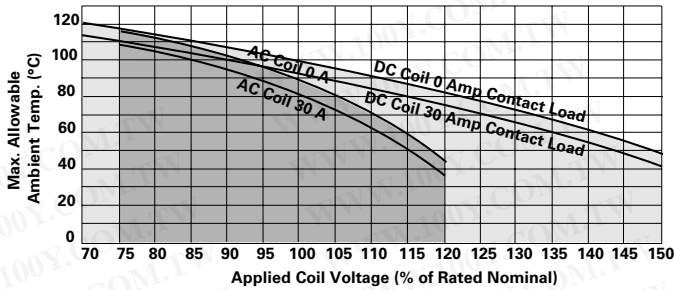




## Ambient Temperature vs. Coil Voltage



## Assumptions:

1. Thermal resistance = 35°C per Watt (DC only.)
2. Still air.
3. Nominal coil resistance.
4. Max. mean coil temperature = 155°C (change of resistance method).
5. Coil temperature rise due to load = 6.3°C @ 30 amps.
6. Curves are based on 1.7W at 25°C (DC only.)

## Operate Data

**Must Operate Voltage:** AC Coil: 80% of nominal voltage or less.  
DC Coil: 75% of nominal voltage or less.

**Must Release Voltage:** 10% of nominal voltage or more.

**Initial Operate Time<sup>(2)</sup>:** 15 ms typical, (25 ms max. w/bounce).

**Initial Release Time<sup>(2)</sup>:** 10 ms typical, (25 ms max. w/bounce).

**Max Operating Frequency:** 14 operations per minute.

## Environmental Data

## Temperature Range:

**Storage:** -55°C to +155°C.

**Operating:** AC Coil: -40°C to +65°C.

**DC Coil:** Silver cadmium oxide contacts: -40°C to +85°C.  
Silver tin indium oxide contacts: -40°C to +70°C.

**Vibration:** 0.065" (1.65mm) double amplitude for 10-55 Hz., functional.

**Shock, Operational:** 10g for 11 ms, 1/2 sine wave pulse with no contact opening > 100µs.

## Mechanical Data

**Termination:** Printed circuit terminals; .250" (6.35mm) quick connects for coil and contacts; .187" (4.75mm) quick connects for coil and .250" (6.35mm) quick connects for contacts; or M4 screws with captive pressure plates for coil and contacts.

**Enclosure:** Dust protected plastic case or wash-tight, tape sealed, (washable) plastic case.

**Weight:** 3 oz. (86g) approximately.

## Conditions

All parametric, environmental and life tests are performed according to EIA Standard RS-407-A at standard test conditions (25°C ambient, 20-50% RH, 29.5 ± 1" Hg.) unless otherwise noted.

## Notes

- (1) FLA, LRA ratings are compatible with 3.5 ton compressor applications.
- (2) Nominal voltage, no coil suppression, excluding bounce.

## Ordering Information

Typical Part Number ►		T92	S	11	D	2	2	-24
<b>1. Basic Series:</b> T92 = Printed circuit board / panel mount power relay.								
<b>2. Enclosure:</b> P = Dust protected plastic case. S = Wash-tight, tape sealed, plastic case (Mounting & Termination Type 1). Top sealed, not wash-tight, not tape sealed on bottom (Mounting & Termination Types 2, 3 & 4).								
<b>3. Contact Arrangement:</b> 7 = 2 form A (DPST-NO).                      11 = 2 form C (DPDT).								
<b>4. Coil Input:</b> A = AC voltage, 60 Hz. or 50/60 Hz. (See Coil Data Table)                      D = DC voltage.								
<b>5. Mounting &amp; Termination:</b> 1 = Printed circuit board mount; printed circuit board terminals. 2 = Panel mount via flanged cover; .250" (6.35mm) x .032" (.81mm) quick connect terminals. 3 = Panel mount via flanged cover; .187" (4.75mm) x .032" (.81mm) quick connect terminals for coil and .250" (6.35mm) for contacts. 4 = Panel mount via flanged cover, .187" (4.75mm) x .020" (.51mm) quick connect terminals for coil and .250" (6.35mm) for contacts. 5 = Panel mount via flanged cover, M4 screw terminals w/ captive pressure plates. Requires Enclosure P and Contact Arrangement 7.								
<b>6. Contact Material:</b> 2 = Silver cadmium oxide.                      4 = Silver tin indium oxide.								
<b>7. Coil Voltage: (See Coil Data Table)</b>								
(DC)                      12 = 12VDC                      24 = 24VDC                      48 = 48VDC                      110 = 110VDC								
(60Hz.)                      12 = 12VAC                      24 = 24VAC								
(50/60Hz.)                      110 = 100/110VAC                      120 = 110/120VAC                      208 = 200/208VAC                      240 = 220/240VAC                      277 = 250/277VAC								

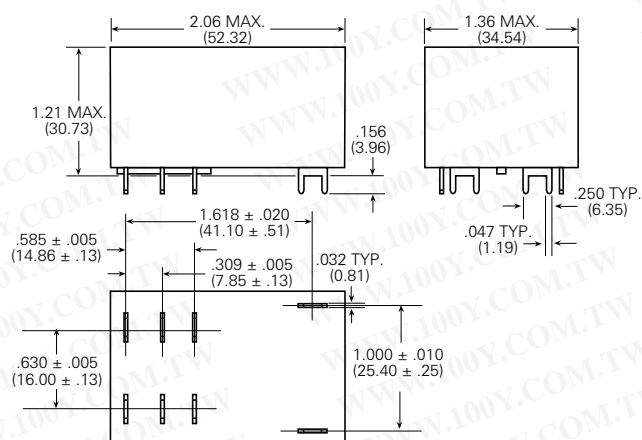
NOTE: All part numbers are RoHS compliant.

## Stock Items – We recommend that our authorized distributors stock the following items for immediate delivery.

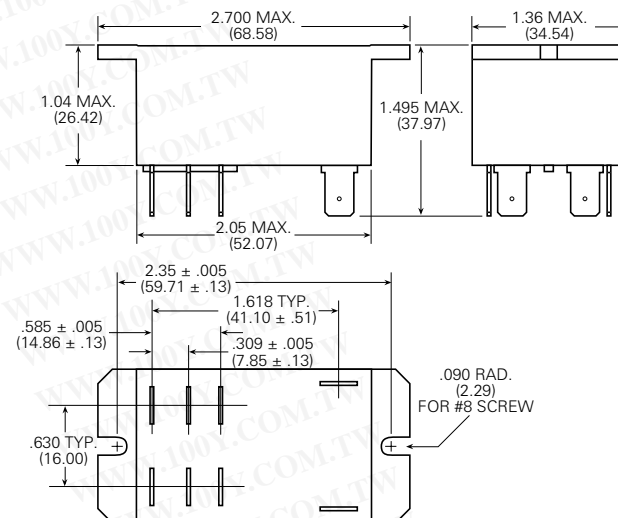
T92P7A22-24	T92P7A22-240	T92P7D12-24	T92P7D22-24	T92P11A22-120	T92P11D22-12	T92S7D12-12	T92S11D22-12
T92P7A22-120	T92P7D12-12	T92P7D22-12	T92P11A22-24	T92P11A22-240	T92P11D22-24	T92S7D12-24	T92S11D22-24

## Outline Dimensions

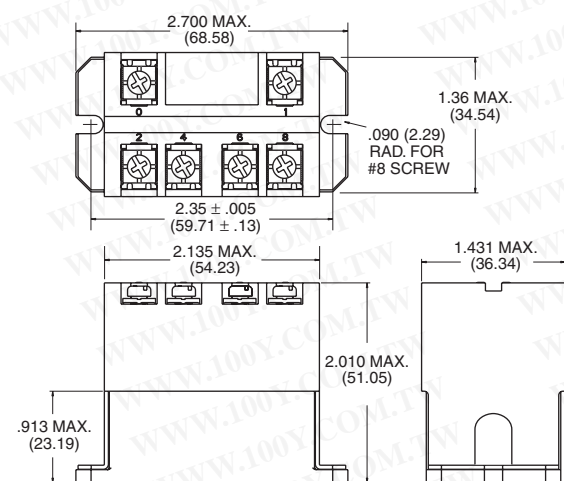
### Mounting & Termination Type 1



### Mounting & Termination Types 2, 3 & 4

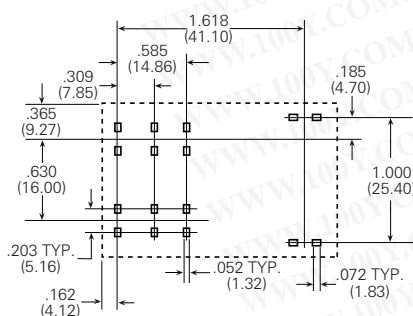


### Mounting & Termination Type 5



勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-54151736  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

### Suggested PC Board Layout (Bottom View)



**Note:** An alternate PC board layout utilizes .076 ± .003 (1.93 ± .076) diameter holes on the same center-to-center spacing shown above. Use of the rectangular holes is recommended for improved solderability.

### Wiring Diagram

