

Ratings

AC: 2, 5 or 10 amp @ 115VAC, 50/60Hz
 DC: 2, 5 or 10 amp @ 29VDC

Description

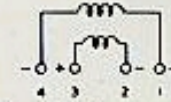
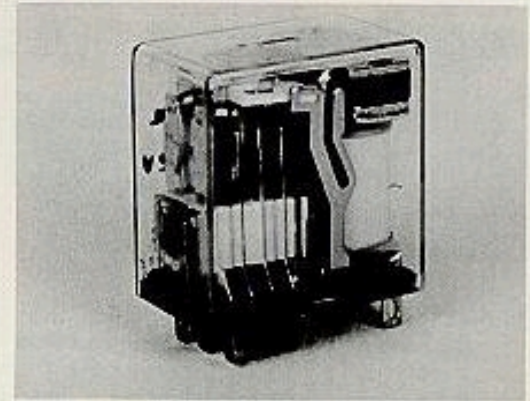
Series T351 have single-point contacts
 Series T362 have bifurcated contacts
 Proven Cradle® reliability
 100 million mechanical operations
 Bi-stable magnetic latch
 Single or dual coil construction
 Contact selection to match application
 Input voltages from 6VDC to 110VDC
 High density package
 Mounting versatility
 Weight: 22-30 grams
 Enclosure: Polycarbonate or polyester dust cover
 Terminals: Solder/plug-in and printed circuit
 Immersion: Add prefix S to Cat. No.

Performance Data

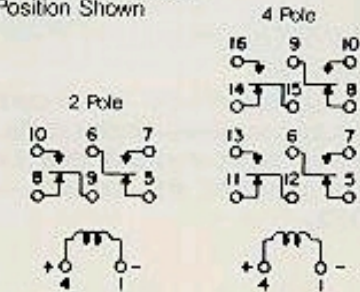
Transfer Time:
 10ms maximum at nominal voltage
Pulse Width:
 A 10ms minimum pulse is recommended
Insulation Resistance:
 10,000 megohms min.
Contact Configuration: 4 form C max., form A, B and D available on request
Dielectric Strength:
 1000V rms, 500V rms across contact gaps and between coils
Ambient Temperature: -55° to +71°C

Approvals

UL File E20604
 CSA File 93349 - 1



Dual Winding Diagram
 1-4 Operate 2-3 Reset
 Reset Position Shown



Single Winding
 All Circuits Shown Reset
 To Operate Reverse Polarity
 For different coil polarities, consult factory.
 Other DC coil combinations are available, consult factory.

T351/TF351/T362/TY351— SINGLE WOUND COIL			Max Transfer Voltage (At 25°C)	Transfer Power
Volts	Amperes	Ohms ± 10%		
6	.150	40	3.6	300 mw (Approx)
12	.072	166	7.0	
24	.038	630	14.5	
48	.018	2640	29.0	
110	.008	13,800	71.0	

T351/TF351/T362/TY351— DUAL WOUND COIL Either Coil			Max Transfer Voltage Either Coil (At 25°C)	Transfer Power
Volts	Amperes	Ohms ± 10%		
6	.190	31.5	4.5	600 mw (Approx)
12	.090	134	9.2	
24	.050	485	18.0	
48	.027	1760	35.0	
110	.011	9600	90.0	

Ordering Information

T I II III IV V VDC

- i. **Immersion Sealing**
 For immersion sealed relays add prefix S
- I. **Contact Rating**
 Low level to 2 ampere—No designation necessary
 5 ampere—Insert letter F1
 10 ampere—Insert letter Y2
- II. **Terminal Type**
 Solder/plug-in—No designation necessary
 Printed circuit—Insert letter P
- III. **Contact Type**
 Single contacts—Insert code 351
 Bifurcated contacts—Insert code 362
 Cross-bar bifurcated gold-platinum-silver alloy (WE #1) contacts—Insert code K362

IV. Contact Configuration

DPDT or 2 form C or C-C—Insert 2C
 4 PDT or 4 form C or CC-CC—Insert 4C

V. Nominal Coil Voltage

Select from coil data table
 For single coil—Insert nominal coil voltage
 For dual coil—Insert 2/nominal coil voltage

1. TF362 or TY351 UL recognition pending

Example #1

T351-2C-24VDC
 (T relay, 2 amps contact rating, 2 form C, single 24VDC coil)

Example #2

T351-2C-2/24VDC
 (T relay, 2 amps contact rating, 2 form C, dual 24VDC coils)

Note: For mating sockets, see page 8.

Soldering Instructions for PC Mounted, Immersion Sealed Relays

Note: After wave solder and cleaning, the sealing tape must be removed. This is to insure maximum life under rated load.

- For best results, please observe the following precautions:
1. Do not bend terminals. If relay must be mechanically clinched to PC board prior to soldering, bend stationary contact terminals only, not exceeding 45°.
 2. Do not immerse the unsealed relay in cleaning solutions.
 3. Solder temperature, 270°C (500°F) max. Soldering time, 5 seconds max.

Sealed relays can withstand exposure to all commercial solvents used for flux removal.

Medium	Max. Temperature	Exposure
Fluorocarbon	70°C	2-3 Minutes
Chlorinated or Hydrocarbon	70°C	2-3 Minutes
Aqueous Detergent (Organic)	82°C	2-3 Minutes