

Features

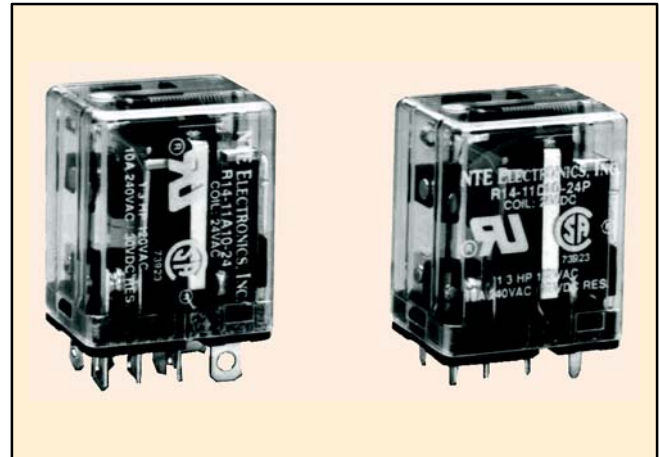
- Slightly Larger than One Cubic Inch
- SPDT, DPDT, 3PDT, and 4PDT
- See-Thru Plastic Cover
- Plug-In or Solder Terminal, will also accept .187" (4.75mm) Faston Terminals
- PC Board Mount (P-suffix)
- Flange Mount Version (F-suffix)
- Indicator Lamp Types (N-suffix)
- High Reliability, 50 Million Operations

R14 Series



General Purpose 10 Amp & 15 Amp AC & DC Relays.

| AC OPERATED | | | | | | |
|----------------|--------------|--------------|----------------------|------------|-------------------------------------|----------|
| NTE Type No. | Nom. Voltage | Contact Arr. | Coil Res. Ohms (Typ) | Nom. Power | Max. Contact Cur. @ 28VDC or 120VAC | Diag No. |
| R14-5A15-24 | 24VAC | SPDT | — | 1.2VA | 15A | D10 |
| R14-5A15-120 | 120VAC | SPDT | — | 1.2VA | 15A | D10 |
| R14-5A15-240 | 240VAC | SPDT | — | 1.2VA | 15A | D10 |
| R14-11A10-12 | 12VAC | DPDT | — | 1.2VA | 10A | D10 |
| R14-11A10-12F | 12VAC | DPDT | — | 1.2VA | 10A | D10 |
| R14-11A10-12P | 12VAC | DPDT | — | 1.2VA | 10A | D10A |
| R14-11A10-24 | 24VAC | DPDT | — | 1.2VA | 10A | D10 |
| R14-11A10-24F | 24VAC | DPDT | — | 1.2VA | 10A | D10 |
| R14-11A10-24P | 24VAC | DPDT | — | 1.2VA | 10A | D10A |
| R14-11A10-120 | 120VAC | DPDT | — | 1.2VA | 10A | D10 |
| R14-11A10-120F | 120VAC | DPDT | — | 1.2VA | 10A | D10 |
| R14-11A10-120N | 120VAC | DPDT | — | 1.2VA | 10A | D10 |
| R14-11A10-120P | 120VAC | DPDT | — | 1.2VA | 10A | D10A |
| R14-11A10-240 | 240VAC | DPDT | — | 1.2VA | 10A | D10 |
| R14-14A10-12 | 12VAC | 3PDT | — | 1.2VA | 10A | D59 |
| R14-14A10-24 | 24VAC | 3PDT | — | 1.2VA | 10A | D59 |
| R14-14A10-120 | 120VAC | 3PDT | — | 1.2VA | 10A | D59 |
| R14-17A10-12 | 12VAC | 4PDT | — | 1.2VA | 10A | D57 |
| R14-17A10-24 | 24VAC | 4PDT | — | 1.2VA | 10A | D57 |
| R14-17A10-120 | 120VAC | 4PDT | — | 1.2VA | 10A | D57 |
| DC OPERATED | | | | | | |
| R14-5D15-12 | 12VDC | SPDT | 160 | 0.9W | 15A | D10 |
| R14-5D15-24 | 24VDC | SPDT | 650 | 0.9W | 15A | D10 |
| R14-11D10-6 | 6VDC | DPDT | 40 | 0.9W | 10A | D10 |
| R14-11D10-6F | 6VDC | DPDT | 40 | 0.9W | 10A | D10 |
| R14-11D10-6P | 6VDC | DPDT | 40 | 0.9W | 10A | D10A |
| R14-11D10-12 | 12VDC | DPDT | 160 | 0.9W | 10A | D10 |
| R14-11D10-12F | 12VDC | DPDT | 160 | 0.9W | 10A | D10 |
| R14-11D10-12P | 12VDC | DPDT | 160 | 0.9W | 10A | D10A |
| R14-11D10-24 | 24VDC | DPDT | 650 | 0.9W | 10A | D10 |
| R14-11D10-24F | 24VDC | DPDT | 650 | 0.9W | 10A | D10 |
| R14-11D10-24P | 24VDC | DPDT | 650 | 0.9W | 10A | D10A |
| R14-11D10-48 | 48VDC | DPDT | 2600 | 0.9W | 10A | D10 |
| R14-11D10-110 | 110VDC | DPDT | 11000 | 0.9W | 10A | D10 |
| R14-14D10-6 | 6VDC | 3PDT | 25.7 | 0.9W | 10A | D59 |
| R14-14D10-12 | 12VDC | 3PDT | 107 | 0.9W | 10A | D59 |
| R14-14D10-24 | 24VDC | 3PDT | 410 | 0.9W | 10A | D59 |
| R14-14D10-48 | 48VDC | 3PDT | 1700 | 0.9W | 10A | D59 |
| R14-14D10-110 | 110VDC | 3PDT | 8500 | 0.9W | 10A | D59 |
| R14-17D10-6 | 6VDC | 4PDT | 25 | 0.9W | 10A | D57 |
| R14-17D10-12 | 12VDC | 4PDT | 100 | 0.9W | 10A | D57 |
| R14-17D10-24 | 24VDC | 4PDT | 350 | 0.9W | 10A | D57 |
| R14-17D10-48 | 48VDC | 4PDT | 1600 | 0.9W | 10A | D57 |
| R14-17D10-110 | 110VDC | 4PDT | 6900 | 0.9W | 10A | D57 |



Electrical Specifications

Contact

Ratings: 15 Amp @ 150 VAC/30 VDC, 10 Amp @ 240 VAC
 1/3 HP @ 120 VAC, 1/2 HP @ 240 VAC
 10 Amp @ 240/30 VDC Resistive, 1/3 HP @ 120 VAC
 1/2 HP @ 240 VAC
Contact Material: Silver cadmium oxide
Contact Resistance: 100 milliohms max. (at 6 VDC, 1 Amp)

Coil

Coil Voltages: See Chart
Pick-up Voltage: 80% of nominal or less for AC
 75% of nominal or less for DC
Resistance: See chart
Min Sensitivity: 0.5 Watts DC .75 volt Amps (60Hz)
Duty Cycle: Continuous

Operational Characteristics

Timing Value **Operate Time:** 25 ms or less } at nominal
Release Time: 25 ms or less } coil voltage

Insulation Characteristics

Dielectric Strength
Contact To Coil: 1500 VRMS (50/60 Hz)
Across Open Contacts: 1000 VRMS (50/60 Hz)
Coil To Frame: 1500 VRMS (50/60 Hz)
Insulation Resistance: 100 megohms Min. @ 500 VDC

Environmental Characteristics

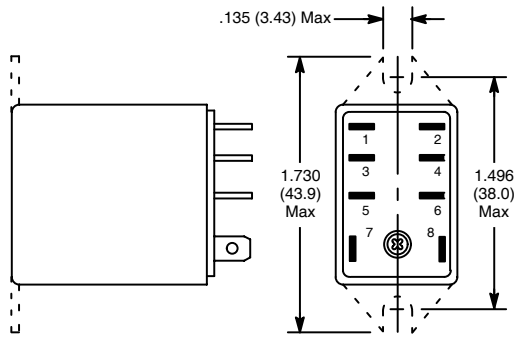
Operating: -30°C to +55°C

Weight

Std: 1 1/2 ozs (45 grams)—approx

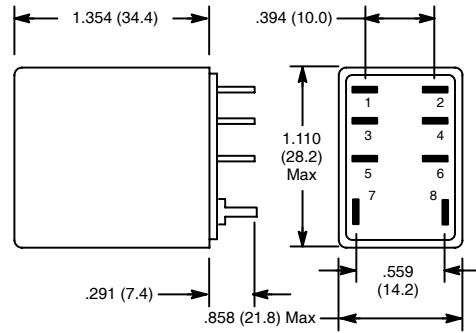
| ACCESSORIES | | |
|-----------------|--------------|--------------|
| MOUNTING STYLES | DESCRIPTION | NTE TYPE NO. |
| SURFACE MOUNT | 8-PIN BLADE | R95-110 |
| | 11-PIN BLADE | R95-111 |
| PC MOUNT | 11-PIN BLADE | RLY9154 |
| | 14-PIN BLADE | RLY9157 |
| | 8-PIN BLADE | R95-120 |
| DIN RAIL MOUNT | 11-PIN BLADE | RLY9155 |
| | 14-PIN BLADE | RLY9158 |
| | 14-PIN BLADE | RLY9159 |

D10

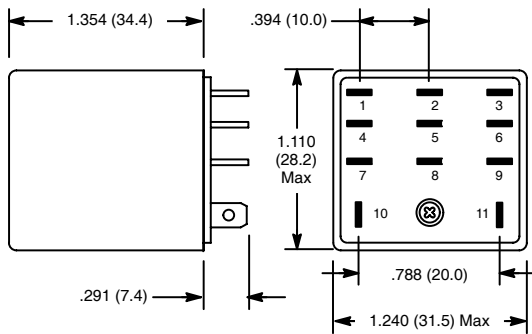


NOTE: Dotted line indicates flange mount case style.
All dimensions are common to both D10 & D10A.

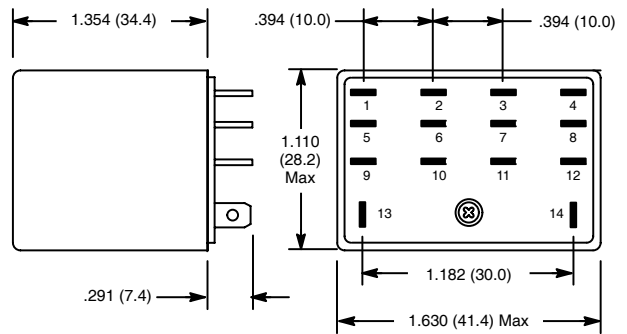
D10A



D59

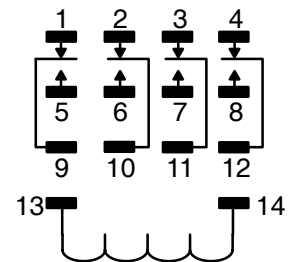
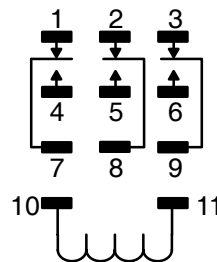
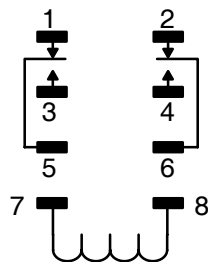
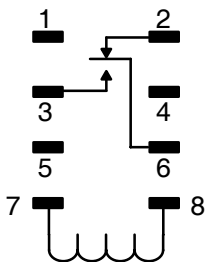


D57



NOTE: Models with "N" suffix will have indicator lamp connected across coil.

SPDT, 1 Form "C" DPDT, 2 Form "C" 3PDT, 3 Form "C" 4PDT, 4 Form "C"



Schematic Diagrams Viewed from Terminal End