

General Purpose Relays

R10 Series



General Purpose, 10 Amp AC & DC Relays.

Features

- .187" (4.75mm) 3-Way Terminals Suitable for Plug-In, Solder and Quick Connect
- SPDT, DPDT & 3PDT
- Clear See-Thru Cover
- Flange Mount (F-suffix), Push-to-Test Button (B-suffix), and Indicator Lamp (N-suffix) Types



AC OPERATED

NTE Type No.	Nom. Voltage	Contact Arr.	Coil Res. Ohms (Typ)	Nom. Power	Max. Contact Cur. @ 28VDC or 120VAC	Diag No.
R10-5A10-12	12VAC	SPDT	—	2.0VA	10A	D7A
R10-5A10-12B	12VAC	SPDT	—	2.0VA	10A	D7A
R10-5A10-12F	12VAC	SPDT	—	2.0VA	10A	D7B
R10-5A10-12N	12VAC	SPDT	—	2.0VA	10A	D7A
R10-5A10-24	24VAC	SPDT	—	2.0VA	10A	D7A
R10-5A10-24B	24VAC	SPDT	—	2.0VA	10A	D7A
R10-5A10-24F	24VAC	SPDT	—	2.0VA	10A	D7B
R10-5A10-24N	24VAC	SPDT	—	2.0VA	10A	D7A
R10-5A10-120	120VAC	SPDT	—	2.0VA	10A	D7A
R10-5A10-120B	120VAC	SPDT	—	2.0VA	10A	D7A
R10-5A10-120F	120VAC	SPDT	—	2.0VA	10A	D7B
R10-5A10-120N	120VAC	SPDT	—	2.0VA	10A	D7A
R10-11A10-12	12VAC	DPDT	—	2.0VA	10A	D7A
R10-11A10-12B	12VAC	DPDT	—	2.0VA	10A	D7A
R10-11A10-12F	12VAC	DPDT	—	2.0VA	10A	D7B
R10-11A10-12N	12VAC	DPDT	—	2.0VA	10A	D7A
R10-11A10-24	24VAC	DPDT	—	2.0VA	10A	D7A
R10-11A10-24B	24VAC	DPDT	—	2.0VA	10A	D7A
R10-11A10-24F	24VAC	DPDT	—	2.0VA	10A	D7B
R10-11A10-24N	24VAC	DPDT	—	2.0VA	10A	D7A
R10-11A10-120	120VAC	DPDT	—	2.0VA	10A	D7A
R10-11A10-120B	120VAC	DPDT	—	2.0VA	10A	D7A
R10-11A10-120F	120VAC	DPDT	—	2.0VA	10A	D7B
R10-11A10-120N	120VAC	DPDT	—	2.0VA	10A	D7A
R10-11A10-240	240VAC	DPDT	—	2.0VA	10A	D7A
R10-14A10-12	12VAC	3PDT	—	2.0VA	10A	D7A
R10-14A10-12B	12VAC	3PDT	—	2.0VA	10A	D7A
R10-14A10-12F	12VAC	3PDT	—	2.0VA	10A	D7B
R10-14A10-12N	12VAC	3PDT	—	2.0VA	10A	D7A
R10-14A10-24	24VAC	3PDT	—	2.75VA	10A	D7A
R10-14A10-24B	24VAC	3PDT	—	2.0VA	10A	D7A
R10-14A10-24F	24VAC	3PDT	—	2.75VA	10A	D7B
R10-14A10-24N	24VAC	3PDT	—	2.0VAC	10A	D7A
R10-14A10-120	120VAC	3PDT	—	2.75VA	10A	D7A
R10-14A10-120B	120VAC	3PDT	—	2.0VA	10A	D7A
R10-14A10-120F	120VAC	3PDT	—	2.75VA	10A	D7B
R10-14A10-120N	120VAC	3PDT	—	2.0VA	10A	D7A
R10-14A10-240	240VAC	3PDT	—	2.75VA	10A	D7A
R10-14A10-240B	240VAC	3PDT	—	2.0VA	10A	D7A
R10-14A10-240F	240VAC	3PDT	—	2.0VA	10A	D7B
R10-14A10-240N	240VAC	3PDT	—	2.0VA	10A	D7A

DC OPERATED

NTE Type No.	Nom. Voltage	Contact Arr.	Coil Res. Ohms (Typ)	Nom. Power	Max. Contact Cur. @ 28VDC or 120VAC	Diag No.
R10-5D10-12	12VDC	SPDT	120	1.2W	10A	D7A
R10-5D10-12B	12VDC	SPDT	120	1.2W	10A	D7A
R10-5D10-12F	12VDC	SPDT	120	1.2W	10A	D7B
R10-5D10-12N	12VDC	SPDT	120	1.2W	10A	D7A
R10-5D10-24	24VDC	SPDT	470	1.2W	10A	D7A
R10-5D10-24B	24VDC	SPDT	470	1.2W	10A	D7A
R10-5D10-24F	24VDC	SPDT	470	1.2W	10A	D7B
R10-5D10-24N	24VDC	SPDT	470	1.2W	10A	D7A
R10-11D10-12	12VDC	DPDT	120	1.2W	10A	D7A
R10-11D10-12B	12VDC	DPDT	120	1.2W	10A	D7A
R10-11D10-12F	12VDC	DPDT	120	1.2W	10A	D7B
R10-11D10-12N	12VDC	DPDT	120	1.2W	10A	D7A
R10-11D10-24	24VDC	DPDT	470	1.2W	10A	D7A
R10-11D10-24B	24VDC	DPDT	470	1.2W	10A	D7A
R10-11D10-24F	24VDC	DPDT	470	1.2W	10A	D7B
R10-11D10-24N	24VDC	DPDT	470	1.2W	10A	D7A
R10-11D10-110	110VDC	DPDT	10K	1.2W	10A	D7A
R10-14D10-12	12VDC	3PDT	120	1.2W	10A	D7A
R10-14D10-12B	12VDC	3PDT	120	1.2W	10A	D7A
R10-14D10-12F	12VDC	3PDT	120	1.2W	10A	D7B
R10-14D10-12N	12VDC	3PDT	120	1.2W	10A	D7A
R10-14D10-24	24VDC	3PDT	470	1.2W	10A	D7A
R10-14D10-24B	24VDC	3PDT	470	1.2W	10A	D7A
R10-14D10-24F	24VDC	3PDT	470	1.2W	10A	D7B
R10-14D10-24N	24VDC	3PDT	470	1.2W	10A	D7A
R10-14D10-110	110VDC	3PDT	10K	1.2W	10A	D7A

Electrical Specifications

Contact

Contact Rating: 10 Amp @ 120 VAC/240 VAC, 28 VDC

Contact Material: 3/16" Silver cadmium oxide

Coil

Coil Voltages: See Chart

Pick-up Voltage: 75% of nominal or less for DC relays @ 25°C

85% of nominal or less for AC relays @ 25°C

Resistance: See chart

Min Sensitivity: 250 (DPDT), 375 (3PDT) mW per pole

Duty Cycle: Continuous

Operational Characteristics

Timing Values Operate Time: 15ms (SPDT)
20 mS (DPDT),
24 mS (3PDT) } at nominal coil voltage

Release Time: 10ms (SPDT)
28 mS (DPDT),
26 mS (3PDT)

Insulation Characteristics

Dielectric Strength

Contact To Coil: 2000 VRMS

Across Open Contacts: 500 VRMS

Pole to Pole: 2000 VRMS

Contact To Frame: 2000 VRMS

Environmental Characteristics

Operating: -30°C to +50°C (AC), -30°C to +65°C (DC)

Non-operating (storage): -30°C to +100°C

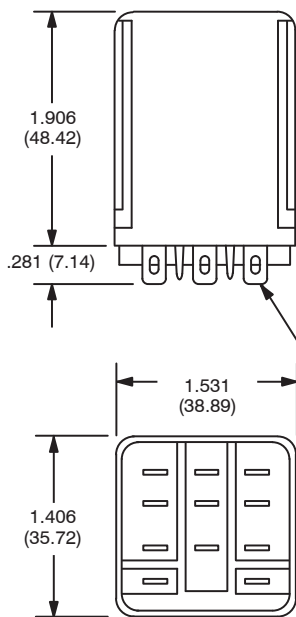
Weight

Std: 3.1 ozs (88 grams)—approx

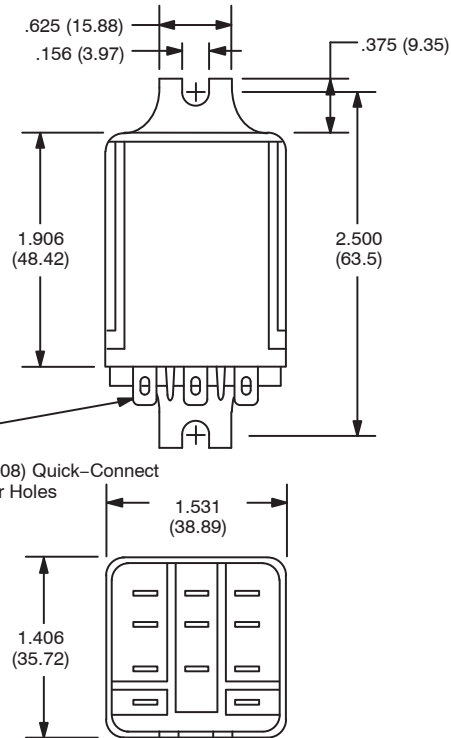
General Purpose Relays

ACCESSORIES		
MOUNTING STYLES	DESCRIPTION	NTE TYPE NO.
SURFACE MOUNT SCREW TERMINALS	11-PIN BLADE	R95-105
PANEL MOUNT SOLDER TERM	11-PIN BLADE	R95-116
PANEL MOUNT QUICK CONNECT	11-PIN BLADE	R95-124
DIN RAIL MOUNT	11-PIN BLADE	R95-115
PC MOUNT	11-PIN BLADE	R95-123

D7A Standard Cover

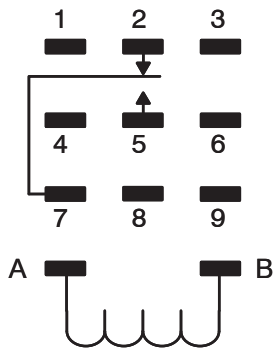


D7B Flange Cover

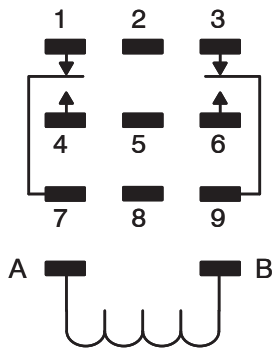


Note: Models with “N” suffix will have indicator lamp connected across coil.

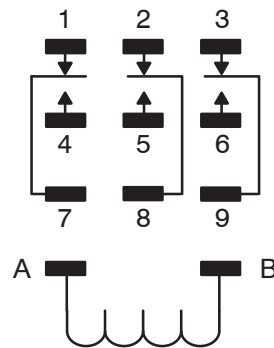
SPDT, 1 Form “C”



DPDT, 2 Form “C”



3PDT, 3 Form “C”



Schematic Diagrams Viewed from Terminal End