

# General Purpose Relays

## R03 Series



General Purpose, 10 Amp, DPDT & 3PDT, AC & DC Full-Feature Relays.

### Features

- Offers a "One Stop Solution" for your Power Management System
- Full-Featured Relay Includes:
  - Push-to-Test Button
  - Removable Lock-Down Door
  - Flag Indicator
  - LED Status Lamp
  - Removable ID Tag
  - Contact Viewing Window
- See-Thru Plastic Finger-Grip Cover
- 8-Pin and 11 -Pin Octal Plug-In Types

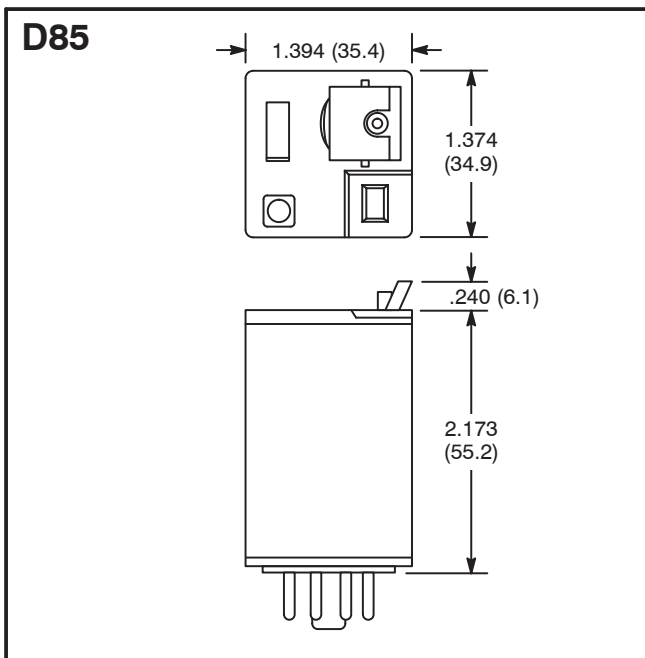


AC OPERATED						
NTE Type No.	Nom. Voltage	Contact Arr.	Coil Res. Ohms (Typ)	Nom. Power	Max. Contact Cur. @ 28VDC or 120VAC	Diag No.
R03-11A10-12	12VAC	DPDT	18	3VA	10A	D85a
R03-11A10-24	24VAC	DPDT	72	3VA	10A	D85a
R03-11A10-120	120VAC	DPDT	1700	3VA	10A	D85a
R03-11A10-240	240VAC	DPDT	7200	3VA	10A	D85a
R03-14A10-12	12VAC	3PDT	18	3VA	10A	D85b
R03-14A10-24	24VAC	3PDT	72	3VA	10A	D85b
R03-14A10-120	120VAC	3PDT	1700	3VA	10A	D85b
R03-14A10-240	240VAC	3PDT	7200	3VA	10A	D85b

DC OPERATED						
NTE Type No.	Nom. Voltage	Contact Arr.	Coil Res. Ohms (Typ)	Nom. Power	Max. Contact Cur. @ 28VDC or 120VAC	Diag No.
R03-11D10-12	12VDC	DPDT	120	1.4W	10A	D85a
R03-11D10-24	24VDC	DPDT	470	1.4W	10A	D85a
R03-11D10-48	48VDC	DPDT	1800	1.4W	10A	D85a
R03-11D10-110	110VDC	DPDT	10000	1.4W	10A	D85a
R03-14D10-12	12VDC	3PDT	120	1.4W	10A	D85b
R03-14D10-24	24VDC	3PDT	470	1.4W	10A	D85b
R03-14D10-48	48VDC	3PDT	1800	1.4W	10A	D85b
R03-14D10-110	110VDC	3PDT	10000	1.4W	10A	D85b

ACCESSORIES		
MOUNTING STYLES	DESCRIPTION	NTE TYPE NO.
SURFACE MOUNT	8-PIN OCTAL	R95-101
	11-PIN OCTAL	R95-104
DIN RAIL MOUNT	8-PIN OCTAL	R95-113, R95-181
	11-PIN OCTAL	R95-114, R95-182
PANEL MOUNT	8-PIN OCTAL	R95-118
	11-PIN OCTAL	R95-119



### Electrical Specifications

#### Contact

**Contact Rating:** 10 Amp @ 240 VAC (1/2 HP),  
10 Amp @ 120 VAC (1/3 HP)  
10 Amp @ 28 VDC

**Maximum Switching Voltage:** 300V

**Minimum Switching Requirement:** 100mA @ 5VDC (500mW)

**Contact Material:** Gold Flashed Silver Alloy

#### Coil

**Coil Voltages:** See Chart

**Pick-up Voltage:** 80 to 110% of nominal, DC  
85 to 110% of nominal, AC

**Drop-out Threshold:** 10%, DC  
15%, AC

**Resistance:** See chart

#### Operational Characteristics

**Timing Values** . . . . . **Response Time:** 20 ms

#### Insulation Characteristics

**Dielectric Strength**

**Contact To Coil:** 1500 VRMS  
**Pole to Pole:** 1500 VRMS

#### Environmental Characteristics

**Operating:** -40°C to +55°

**Non-operating (storage):** -40°C to +85°C

#### Life

**Mechanical:** 5 million operations (no load)

**Electrical:** 100,000 operations (at rated load, resistive)

#### Weight

**Std:** 3.14 ozs (89 grams)—typical

