



K10 series

15 Amp General Purpose Miniature Relay

File E22575

File LR15734

Features

- K10 - DPDT contact arrangement standard.
- AC and DC coils.
- Mounting options include socket, PCB, top flange.
- UL Class B coil insulation system.

Contact Data @ 25°C

Materials: Silver-cadmium oxide.

Expected Life: 10 million operations, mechanical; 100,000 operations minimum at rated loads.

Contact Ratings

Contact Code	Material	UL/CSA Ratings	Type
5	Silver-cadmium oxide	15A @ 30VDC 15A @ 120VAC 1/3HP @ 120VAC 1/2HP @ 250VAC	Resistive Resistive

Initial Dielectric Strength

Between Open Contacts: 1,000V rms.

Between Adjacent Contacts: 1,500V rms.

Between Contacts and Coil: 1,500V rms.

Coil Data @ 25°C

Nominal Power:

DC Coils: .9 Watts.

AC Coils: 1.2VA.

Maximum Power: 2.0 Watts.

Duty Cycle: Continuous.

Insulation: Class B: (130°C).

Coil Data

Nominal Voltage	DC Coils		AC Coils	
	Resistance in Ohms ± 10%	Nominal Current in Milliamps	Resistance in Ohms ± 15%	Nominal Current in Milliamps
6	40	150	10.5	200
12	160	75	43	100
24	650	37	160	52
48	2,600	18.5	668	26
110	11,000	10	—	—
120*	—	—	3,900	11
240*	—	—	12,000	6

*For 220/240VDC operation, use 11,000 Ohm, 5 Watt dropping resistor in series with the 110VDC coil.

Operate Data @ 25°C

Must Operate Voltage:

DC Coils: 75% of nominal voltage.

AC Coils: 85% of nominal voltage.

Operate Time (Excluding Bounce): 13 milliseconds, typical, at nominal voltage.

Release Time (Excluding Bounce): 6 milliseconds, typical, at nominal voltage.

Environmental Data

Temperature Range:

Storage: -60°C to +105°C.

Operating: -45°C to +70°C.

Mechanical Data

Mounting: Socket mount, printed circuit board, top flange.

Termination: .187" (4.75mm) quick connect/solder terminals, or printed circuit terminals.

Enclosure: Smoke-color polycarbonate dust cover.

Weight: 1.8 oz. (51g) approximately.



Ordering Information

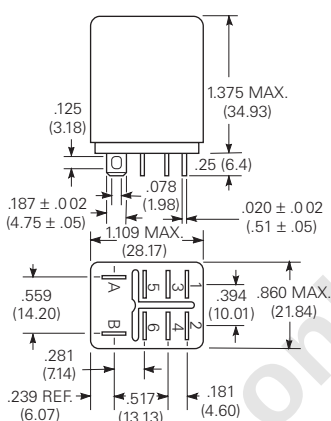
Typical Part No. ▶		K10	P	-11	D	1	5	-6
1. Basic Series: K10 = 15 amp miniature relay.								
2. Cover: P = Polycarbonate (smoke color).								
3. Contact Arrangement: 11 = 2 Form C (DPDT)								
4. Coil Input: A = 50/60 Hz. AC D = DC								
5. Mounting & Termination: 1 = Socket mount; .187" (4.75mm) quick connect/solder terminals. 5 = Printed circuit terminals; .160" length. T = Mounting bracket on end of cover; .187" (4.75mm) quick connect/solder terminals.								
6. Contact Type: 5 = 15 amp silver-cadmium oxide								
7. Coil Voltage: To 240VAC or 110VDC, see coil data table.								

Stock Items – The following items are normally maintained in stock for immediate delivery.

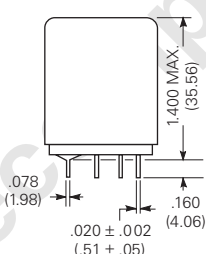
K10P-11A15-6	K10P-11D15-6	K10P-11D55-24
K10P-11A15-12	K10P-11D15-12	K10P-11D55-110
K10P-11A15-24	K10P-11D15-24	K10P-11DT5-12
K10P-11A15-120	K10P-11D15-110	K10P-11DT5-24
K10P-11AT5-120	K10P-11D55-12	

Outline Dimensions

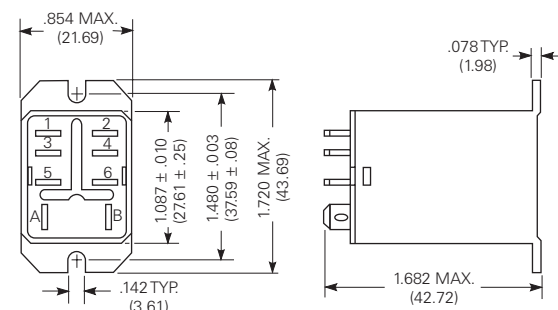
Mounting Code 1 Socket Mount



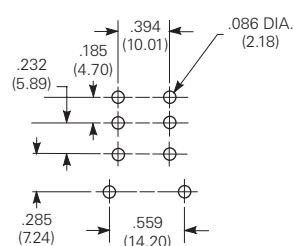
Mounting Code 5 Printed Circuit Terminals



Mounting Code T



PC Board Layout



Wiring Diagram

