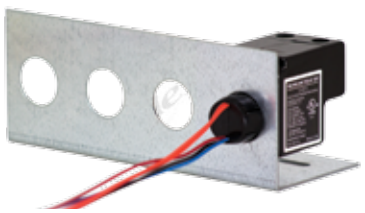
ILC LIGHTING RELAYS
2R7CDD, 2R9CDD

DESCRIPTION

ILC **Model 2R7CDD** and **2R9CDD Lighting Relays** are mechanical latching-type units requiring only a momentary 24 VDC or VDC switch circuit pulses to open or close line voltage circuits. All ILC low voltage relays may be used to full rated capacity for ballast or resistive loads. The **Model 2R9CDD** includes an auxillary contact on the low voltage side for status indication.

2R9CDD

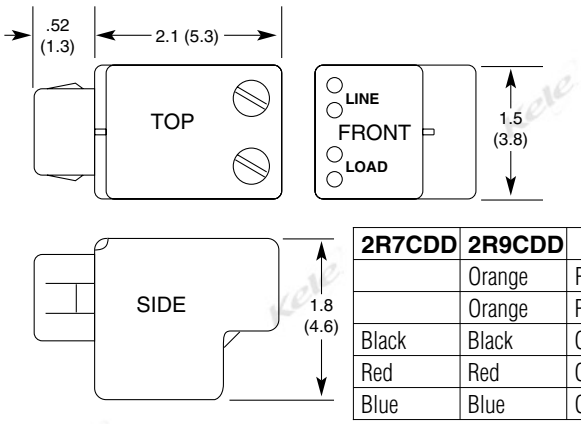


Optional RR-Bracket-4 for 2R7CDD and 2R9CDD Relay

SPECIFICATIONS

Supply Voltage	18-30 VAC momentary, 12-24 VDC momentary
Relay Type	SPST Maintained mechanically latching
Coil Impedance	68-73 Ω, 50-60 Ω DC resistance
Coil Inrush Current	350 mA @ 24 VDC
Contactor Ballast	20 A @ 347 VAC
Contactor Motor	1 hp @ 120 VAC
Resistive Load	20 A @ 347 VAC
Pilot Contact	1 A, 30 VAC/VDC (2R9CDD only)
Pulse Rate	Minimum activing 17 ms, maximum 250 ms
Lead Length	6" (15 cm)
Wiring	Two terminals, use with 14-10 AWG solid or stranded (copper wire only), wo terminals, use with 14-10 AWG solid or stranded (copper wire only)
Operating Temperature	32° to 140°F (0° to 60°C)
Operating Humidity	10% to 90% RH noncondensing
Mounting	Mounts in standard 1/2" KO
Approvals	UL File E66211, FCC
Weight	1.0 lb (2.2 kg)
Warranty	3 years

DIMENSIONS



2R7CDD	2R9CDD	
	Orange	Pilot
	Orange	Pilot
Black	Black	Off
Red	Red	On
Blue	Blue	Common

INSTALLATION

The relay with a minimum of 17 millisecond and maximum of 250 milisecond pulse, by either 24 vac or 24 vdc, will command the relay on. The relay will latch and remain on until the off coil is energized.

This control operation provides several key control features:

Stable operation
Since the relay latches in the on or off position, power outages do not result in a change of state.

Minimal power consumption
Control power is only required when the relay changes state.

ORDERING INFORMATION

MODEL	DESCRIPTION
2R7CDD	Three-wire low voltage leads
2R9CDD	Five-wire low voltage leads with isolated pilot auxiliary contact