

Hydronic Switching Relays

RA89; RA832; R845 Hydronic Switching Relay



Provides intermediate switching of a line voltage device from a low voltage controller.

- Integral transformer provides low voltage power for control circuit

Input Voltage: 120V

Electrical Connections: Control Circuit- 2-Wire

Frequency: 50 Hz; 60 Hz

Coil Ratings Voltage: 24 Vac

Coil Ratings Current: 0.4A

Electrical Ratings: Maximum Input-5.0 W

Contact Ratings (resistive): At 120 Vac –10A; 240 Vac – 6.0A

Temperature Ratings: 115°F maximum ambient for 60 Hz. 105°F Max. Ambient for 50 Hz. (46°C maximum ambient for 60 Hz. 41°C maximum ambient for 50 Hz.)

Approximate, Dimensions: 5 1/4 in. high x 4 1/4 in. wide x 2 5/16 in. deep (133 mm high x 108 mm wide x 59 mm deep)

Approvals, CSA: Certified: File No. LR1620

Approvals, Underwriters Laboratories Inc.: Listed: File No. E4436, Guide No. XAPX

Includes: Integral transformer, enclosure

Tradeline Value: Tradeline

Material Number	Application	Switching	Electrical Ratings, Contacts	Contact Ratings (AFL)	Contact Ratings (ALR)	Pilot Duty Ratings	Description	Comment
RA845A1030/U	Enclosed intermediate DPST switching relay for 24 volt 2 wire thermostat control of one line voltage and one line or low voltage devices. 120 volt primary power supply.	DPST; one pole line voltage, the other line or low voltage	Maximum connected load is 2000 VA (120 Vac to 240 Vac)	At 120 Vac – 7.4A; 240 Vac – 3.7A; Secondary – at 120 Vac 3A; at 240 Vac 2A	At 120 Vac – 44.4A; 240 Vac –22.2A; Secondary – at 120 Vac 18A; at 240 Vac 12A	Secondary – 50 VA @ 24V	This 120V, 60 Hz Switching relay with internal transformer, provides DPST switching for hot water zone control systems, or SPST control of two separate loads.	Thermostat Compatibility – Low voltage (Class 2) 2-wire
RA832A1066/U	Provide intermediate DPST switching of a line voltage device from a low voltage controller.	DPST; one pole line voltage, the other low voltage or millivolt	Maximum connected load is 2000 VA (120 Vac to 240 Vac); Secondary DC Rating – 1A @ 12 Vdc; Secondary millivolt Rating – 300 mA min. @ 750 mV	At 120 Vac – 7.4A AFL; 240 Vac – 3.7A	At 120 Vac – 44.4A; 240 Vac – 22.2A	Secondary – 50 VA @ 24V	This 120V Switching Relay with internal transformer is used for DPST switching of two line voltage loads having a common power source.	
RA89A1074/U	Provide intermediate SPST switching of a line voltage device from a low voltage controller.	SPST		At 120 Vac – 10.2A; 240 Vac – 5.1A	At 120 Vac – 61.2A; 240 Vac – 30.6A		This 120V Switching Relay with internal transformer, provides intermediate SPST switching of a line voltage device from a low voltage controller.	