

# Hydronic Switching Relays

## RA89; RA832; R845 Hydronic Switching Relay



RA832, R845



RA89

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

- Integral transformer provides low voltage power for control circuit.

**Application:** Provide intermediate switching of a line voltage device from a low voltage controller.

**Dimensions, Approximate:** 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)

**Electrical Connections (Control Circuit):** 2-Wire

**Electrical Rating:** Maximum Input: 5.0W

**Coil Ratings**

**Voltage:** 24 Vac

**Current:** 0.4

**Transformer Primary Rating:** 120 Vac, 50/60 Hz

**Transformer Secondary Rating:** 24 Vac

**Thermostat Compatibility:** Low voltage (Class 2) 2-wire

**Temperature Range:** Temperature Range: 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.)

**Approvals:**

**Canadian Standards Association:** Certified: File No. LR1620

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

Contact Electrical Ratings								
	Contacts Maximum Connected Loaded (120-240 Vac)	Main Contacts 120 Vac	Main Contacts 240 Vac	Secondary Contacts 120 Vac	Secondary Contacts 240 Vac	Secondary Contacts Dc Rating	Secondary Contacts Millivolt Rating	Secondary Contacts Pilot Duty Rating
R845A	2000 VA	7.4A AFL; 44.4A ALR; 10A Resistive	3.7A ALF; 22.2A ALR; 6.0A Resistive	3A ALF; 18A ALR	2A AFL; 12A ALR	—	—	50 VA @ 24V
RA832A	2000 VA	7.4A AFL; 44.4A ALR; 10A Resistive	3.7A ALF; 22.2A ALR; 6.0A Resistive	—	—	1A @ 12 Vdc	300 mA min. @ 750 mV	50 VA @ 24V
RA89A	—	10.2A AFL; 61.2A ALR; 10A Resistive	5.1AA ALF; 30.6A ALR; 6.0A Resistive	—	—	—	—	—

Product Number	Electrical Ratings: Primary Voltage	Switching Action	Description	Includes
* R845A1030	120V; 50/60 Hz	DPST; one pole line voltage, the other line or low voltage	Switching relay with internal transformer, provides Dpst switching for hot water zone control systems, or spst control of two separate loads.	Integral transformer, enclosure
* RA832A1066	120V; 50/60 Hz	DPST; one pole line voltage, the other low voltage or millivolt	Switching Relay with internal transformer, for switching two line voltage loads having a common power source.	Integral transformer, enclosure
* RA832A1074	240V; 50/60 Hz	DPST; one pole line voltage, the other low voltage or millivolt	Switching Relay with internal transformer, for switching two line voltage loads having a common power source.	Integral transformer, enclosure
* RA89A1074	120V; 50/60 Hz	SPST	Switching Relay with internal transformer, for switching one line voltage load.	Integral transformer, enclosure

\* TRADELINE models • SUPER TRADELINE models