

Hydronic Switching Relays

R856 Control Center



Provides 24 volt control of line voltage motors, fans, blowers, or pumps up to 1 hp.

- Integral 45 VA transformer to supply low voltage power for the system.
- Low voltage terminal strip for easy thermostat and panel connections.

Application: Enclosed fan center for 24 volt control of a line voltage motor, evaporator fan, or pump up to 1 horse-power. Includes wiring terminal board and 45 VA transformer.

Dimensions, Approximate: 7 1/8 in. high x 4 1/2 in. wide x 3 5/16 in. deep (181 mm high x 114 mm wide x 84 mm deep)

Coil Ratings: Voltage: 24 Vac; Current: 0.22A; Inrush: 11 VA; Sealed: 6 VA

Contact Electrical Ratings: 120 Vac AFL: 14.0A N.O., 10.0A N.C.; 120 Vac ALR: 84.0A N.C., 80.0A N.C.

Approvals

Canadian Standards Association: Certified: File No. LR95329-1

Underwriters Laboratories, Inc: Listed: File No. E4436, Vol. 6 Sec. 9

Product Number	Electrical Ratings: Primary Voltage	Switching Action	Description	Includes
R856B1002	120V, 60 Hz	SPST	120V, 60 Hz Fan Relay with Spst switching	External transformer, enclosure

RA89; RA832; R845 Hydronic Switching Relay



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

- Integral transformer provides low voltage power for control circuit.

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: 5.0 W

Electrical Ratings: Primary Voltage: 120V, 50/60 Hz

Coil Ratings: Voltage: 24 Vac; Current: 0.4A

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

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

	Product Number	Application	Switching Action	Description	Includes
*	R845A1030/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	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/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	Switching Relay with internal transformer, for switching two line voltage loads having a common power source.	Integral transformer, enclosure
*	RA832A1074/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	Switching Relay with internal transformer, for switching two line voltage loads having a common power source.	Integral transformer, enclosure
*	RA89A1074/U	Provide intermediate Spst switching of a line voltage device from a low voltage controller.	SPST	Switching Relay with internal transformer, for switching one line voltage load.	Integral transformer, enclosure

* TRADELINE models • SUPER TRADELINE models

Hydronic Controls