

R182J, R482J, R845A, R847A, R882J, RA89A, RA832A Switching Relays

These relays provide intermediate or heavy duty service in a wide variety of switching configurations.



- Relays with 24V control coils: R182J, R882J, R847A, RA89A, RA832A, and R845A.
- Relays with line voltage control coils: R482J.
- Relays with internal 24V transformer: R182J, RA89A, RA832A, R845A, and R847A.
- Relays for use with an external 24V supply: R882J.
- Heavy duty relays: R847J.
- R847A has flexible internal leads to provide either spst or spdt switching.
- RA832A has contacts for low voltage and millivoltage (Powerpile®) use.

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Specifications

IMPORTANT: *The specifications given in this publication do not include normal manufacturing tolerances. Therefore, this unit may not exactly match the listed specifications. Also, this product is tested and calibrated under closely controlled conditions, and some minor differences in performance can be expected if those conditions are changed.*

TRADELINE® MODELS

TRADELINE models are selected and packaged to provide ease of stocking, ease of handling, and maximum

replacement value. TRADELINE model specifications are the same as those of standard models except as noted below.

TRADELINE MODELS AVAILABLE:

- R182J—120 and 240V models.
- R482J—120 and 240V models.
- R845A—120V models.
- R847A—120 and 240V models.
- RA89A—24V controller.
- RA832A—120 and 240V models.

ADDITIONAL FEATURES: TRADELINE pack with cross reference label and special instructions.

STANDARD MODELS: See Table 1.

TABLE 1—SWITCHING RELAY SPECIFICATIONS.

Models	Application	Voltage (50/60 Hz)	Switch Action	Control Circuit	Coil Voltage (Vac at 50/60 Hz)	Relay Coil Current (A)	Contact Ratings (A)	
							AFL	ALR
R182J	For 24V thermostat control of line voltage devices.	120	Dpdt	3-wire	24	0.40 ^a	7.4	44.4
		240					3.7	22.2
R482J	Controlled by a line voltage controller	120		2-wire	120	0.08	7.4	44.4
		208/240			208/240	0.04	3.7	22.2
R845A	For hot water zone control systems or spst control of two separate loads.	120	Dpst		24	0.40	7.4	44.4
R847A	Provides switching for high-current loads such as cooling compressors.	120					22	100
		240					10	50
R882J	For use with separate low voltage power source.	24	Dpdt				7.4	44.4
RA89A	For switching one line voltage load.	120	Spst				10.2	61.2
RA832A	For switching two line voltage loads having a common power source.	120	Dpst				7.4	44.4
		240					3.7	22.2

^a See footnote on page 3.

Ordering Information

When purchasing replacement and modernization products from your TRADELINE® wholesaler or distributor, refer to the Tradeline Catalog or price sheets for complete ordering number, or specify—

1. Order number.
2. Accessories, if desired.

If you have additional questions, need further information, or would like to comment on our products or services, please write or phone:

1. Your local Home and Building Control Sales Office (please check the white pages of your phone directory).
2. Home and Building Control Customer Logistics
 Honeywell, Inc., 1885 Douglas Drive North
 Minneapolis, Minnesota 55422-4386 (612) 951-1000

In Canada—Honeywell Limited/Honeywell Limitee, 740 Ellesmere Road, Scarborough, Ontario M1P2V9. International Sales and Service Offices in all principal cities of the world. Manufacturing in Australia, Canada, Finland, France, Germany, Japan, Mexico, Netherlands, Spain, Taiwan, United Kingdom, U.S.A.

^a **IMPORTANT:** The transformer on the R182 can over-heat when used with a series 20 thermostat if the total resistance of the thermostat (including thermostat wire and thermostat contact resistance) exceeds 2.5 ohms, add a 100 ohm, 10 watt resistor between the W and R terminals. Table 2 gives maximum thermostat wire runs; if longer runs are necessary, measure the resistance or add a 100 ohm, 10 watt resistor across terminals W and R.

See Table 2 for the ratings of built-in transformer (all transformers are rated at 120/240V, 50/60 Hz).

TABLE 2—TRANSFORMER RATINGS.

Transformer	Rating (watts)
R847A	7.0
RA89A	5.0
RA832A	—
R845A	—
R182J	6.5

FINISH: Gray enamel.

KNOCKOUTS:

Case bottom: (2) RA89A, RA832A, R845A; (3) R182J, R482J, R882J.

All models have 1 wiring hole in case top.

All knockouts are for 1/2 in. [12.7 mm] conduit.

APPROVALS:

Underwriters Laboratories Inc. Listed: RA89A; RA832A, R882J; R845A: File no. E4436, Guide no. XAPX.

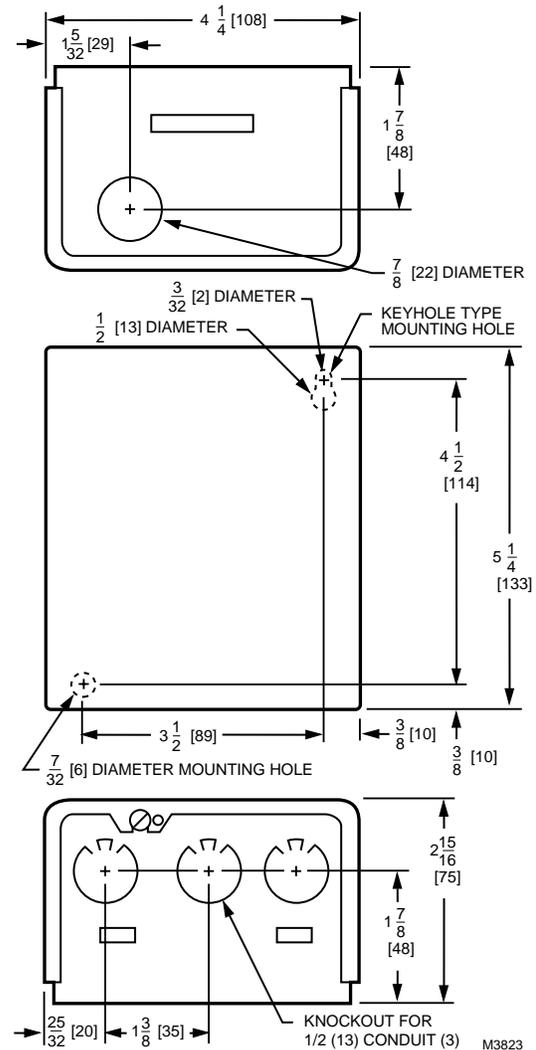
R482J: File no. E14480, Guide no. NLDS.

R847A: File no. SA481, Guide no. SDFY.

Canadian Standards Association Certified: R482J; R882J;

R847A: File no. LR1620.

Fig. 1—Approximate mounting dimensions in in. [mm].



Installation

WHEN INSTALLING THIS PRODUCT ...

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.

2. Check the ratings given in the instructions and on the product to make sure the product is suitable for your application.

3. Installer must be a trained, experienced service technician.

4. After completing installation, use these instructions to check out product operation.



WARNING

**ELECTROCUTION HAZARD.
 CAN CAUSE PROPERTY DAMAGE,
 SEVERE INJURY, OR DEATH.**

Transformer core not bonded.

Disconnect power supply before wiring to prevent electrical shock or equipment damage.