

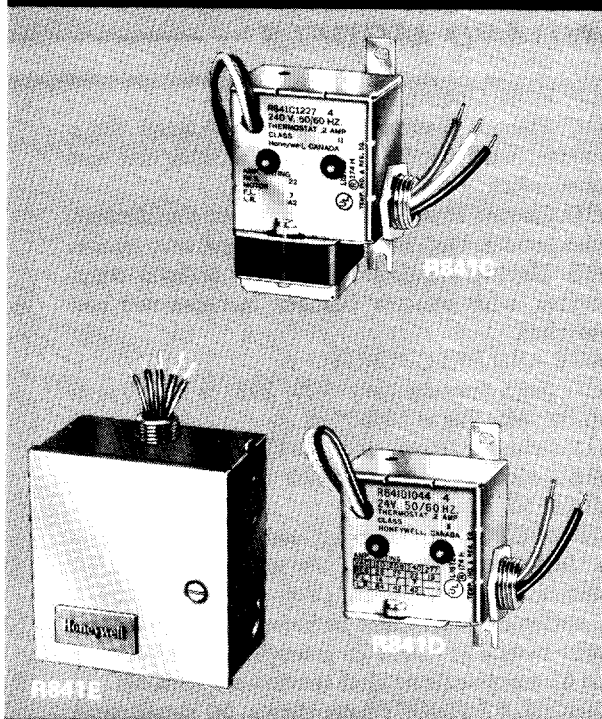
# Honeywell

THE R841 ELECTRIC HEATING RELAY IS USED WITH A 2-WIRE, 24V THERMOSTAT TO PROVIDE CONTROL OF ELECTRIC HEATING EQUIPMENT. IT IS A DIRECT-FOLLOWING RELAY WHICH OPERATES WITH EACH CYCLE OF THE THERMOSTAT (4 TO 6 CYCLES PER HOUR).

- R841C,D models are used to control one load.
- R841E is used either with one thermostat to control two loads simultaneously, or with two thermostats to control two independent loads.
- R841C and E models include an integral transformer; R841 D model must be powered from a remote 24V transformer.
- R841C and D models have a 1/2 inch male conduit bushing.
- The R841C,D and E models are for installation on a wireway or J-box.
- R841 E has a 1/2 inch male conduit bushing and includes an enclosure with a low voltage wiring compartment.
- Special R841E with 10 second minimum timing between stages is available.
- Each relay switches up to a 5,000 watt load.
- Spst MICRO SWITCH snap switches are actuated by ambient-compensated bimetal strips.
- Leadwires are provided for both line voltage and low voltage connections.
- Small size and silent operation allow installation in living area, utility room, or basement.
- May be mounted in any convenient position.

R.E.  
REV. 10-79 (.11)

## ELECTRIC HEATING RELAY



## R841C-E

Form Number

60-2004-1

# SPECIFICATIONS

## IMPORTANT

THE SPECIFICATIONS GIVEN IN THIS PUBLICATION DO NOT INCLUDE NORMAL MANUFACTURING TOLERANCES. THEREFORE, THIS UNIT MAY NOT MATCH THE LISTED SPECIFICATIONS EXACTLY. 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:

R841C, D, and E Electric Heating Relays.

### VOLTAGE AND FREQUENCY:

R841C-240 Vac, 60 Hz.

R841D-24 Vac, 60 Hz.

R841E-120, 208, 240, 277 Vac; 50/60 Hz.

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

## STANDARD MODELS

MODELS: R841 Electric Heating Relay.

R841 C Electric Heating Relay -with integral transformer, with conduit bushing; includes one spst snap switch.

R841 D Electric Heating Relay -without transformer, with conduit bushing; includes one spst snap switch.

R841 E Electric Heating Relay-with integral transformer, with conduit bushing; includes two spst switches.

### VOLTAGE AND FREQUENCY:

R841C (with transformer)- 120, 208, or 277 Vac at 60 Hz; 240 Vac at 50/60 Hz.

R841 D (without transformer)-24 Vac, 60 Hz.

R841E (with transformer)-120, 208, 240, or 277 Vac at 50/60 Hz,

SWITCH: MICRO SWITCH snap switch, bimetal operated. Makes contact about 75 seconds (cold) after thermostat calls for heat. (Top switch on R841 E with optional specification makes at about 55 seconds, bottom switch at about 75 seconds. ) Breaks contact about 65 seconds (hot) after thermostat shuts off,

ELECTRICAL RATINGS (A per switch, 60 Hz current):

	120 Vac	208/240/277 Vac
Full Load	14	7
Locked Rotor	84	42

Noninductive Rating: 22 A at 120, 208 and 240 Vac; 19 A at 277 Vac.

### THERMOSTAT HEAT ANTICIPATOR CURRENT:

R841C,D-0.2 A.

R841 E -0.4 A (one thermostat controlling both loads); 0.2 A (one thermostat controlling each load).

AMBIENT TEMPERATURE RANGE: Minus 20 F to plus 150 F [minus 29 C to 66 C].

UNDERWRITERS LABORATORIES INC. LISTED (R841C,D and E): File No. E4436, Guide XAPX.

CANADIAN STANDARDS ASSOCIATION CERTIFIED:

R841C,D-File No. LR1620 and LR1322.

R841E-File No. LR1620.

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# ORDERING INFORMATION

WHEN PURCHASING REPLACEMENT AND MODERNIZATION PRODUCTS FROM YOUR TRADELINE WHOLESALE OR YOUR DISTRIBUTOR, REFER TO THE TRADELINE CATALOG OR PRICE SHEETS FOR COMPLETE ORDERING NUMBER, OR SPECIFY-

1. Order number; specify TRADE LINE, if desired.
2. Voltage and frequency.
3. Optional specification, 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 HONEYWELL Residential DIVISION SALES OFFICE (CHECK WHITE PAGES OF PHONE DIRECTORY).

2. RESIDENTIAL DIVISION CUSTOMER SERVICE  
HONEYWELL INC., 1885 DOUGLAS DRIVE NORTH  
MINNEAPOLIS, MINNESOTA 55422 (612) 542-7500

(IN CANADA-HONEYWELL CONTROLS LIMITED, 740 ELLESMERE ROAD, SCARBOROUGH, ONTARIO M1P 2V9)  
INTERNATIONAL SALES AND SERVICE OFFICES IN ALL PRINCIPAL CITIES OF THE WORLD.