

# Honeywell RA890G1245

RA890G1245 | Honeywell | 220/50-60,15 SEC. SAFETY SWITCH,0.8 SEC. FLAME RESPONSE, SPDT ALARM CONTACTS

## APPLICATIONS

Either a line or low voltage controller can be used. If a line voltage controller is used, connect it between the limit control and terminal 6, and jumper T-T.

Refer to the appropriate flame detector instructions when paralleling two flame detectors.

## TERMINAL

BLOCKS RA890G

BASE

FLAME

CURRENT

TEST JACK

RA890G

COVER

THUMBSCREW

RESET

PUSHBUTTON

LOAD

RELAY (1K)

Q270A

UNIVERSAL

SUBBASE

M8720

TRANSFORMER TR2

TRANSFORMER TR1

FLAME

RELAY (2K)

SAFETY

SWITCH

STANDARD MODELS

MODEL: RA890G Protectorelay™ Primary Control.

VOLTAGE AND FREQUENCY: 120, 208, 220, 240V; 50/60 Hz models.

VOLT-AMPERE RATING:

60 Hz: 14 VA maximum, 12 VA standby.



You can contact us through the following contact information

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50 Hz: 18 VA maximum, 17 VA standby.

**POWER CONSUMPTION:**

60 Hz: 9.5W maximum, 3W standby.

50 Hz: 10W maximum, 4W standby.

**FLAME FAILURE RESPONSE TIME:**

Flame Establishing Period: Up to 15 seconds (nominal).

Recycle Time: Almost immediately after Flame Failure Response Time.

**SAFETY SWITCH TIMING (Lockout Timing):** 15 sec nominal timings are proportional with input voltages and temperatures. For RA890s that are classified in Underwriters

Laboratories Inc. gas groups 6 and 6A gas and oil group 8, the maximum safety switch timing with voltages ranging from 70 to 110 percent of rated voltage and with ambients ranging from 32° F (0° C) to 115° F (66° C) is allowed to be as high as 50 seconds.

**DIMENSIONS (including subbase):** Approximately 5 x 5 x 5 in. (127 x 127 x 127 mm).

**AMBIENT TEMPERATURE RATING:**

Minimum: Models with 15 sec safety switch -20° F, -29° C.

Models with 30 sec safety switch  
+10° F, 112° C.

Maximum: Models without alarm contacts 50 Hz (115° F, 46° C). 60 Hz (125° F, 52° C).

Models with alarm contacts 50 Hz (105° F, 41° C), 60 Hz (115° F, 46° C).

**ALARM CONTACTS (optional):** Isolated spdt contacts.

Alarm terminals are male quick-connects (female quickconnects included for field installation).

See rating above.

**FLAME DETECTOR:** C7027, C7035 OR C7044 Ultraviolet Flame Detector.

**MOUNTING:** Q270A Universal Mounting Base (ordered separately).

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