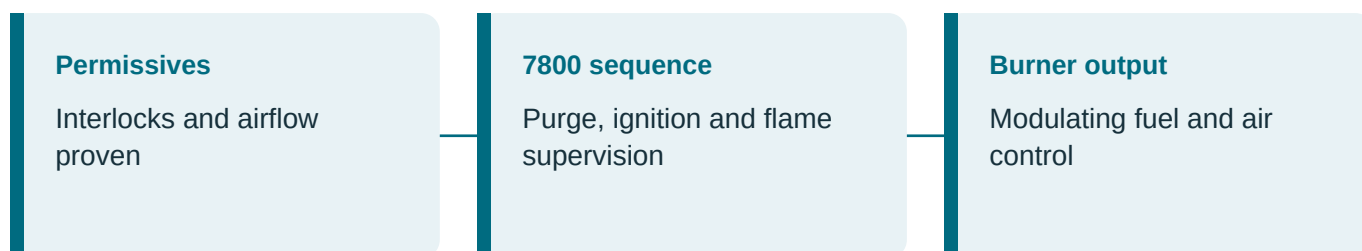


EC7850A1072

The relay module works with the specified wiring subbase, flame amplifier and purge-timer components to supervise a programmed burner sequence. The exact A1072 execution includes a two-second postpurge and the LHL-LF and HF proven functions listed in the manufacturer catalog.



- 1 Record the complete EC7850A1072 marking before disconnecting conductors.
- 2 Isolate burner fuel and electrical energy under the approved safe-work procedure.
- 3 Verify the 220-240 Vac supply and frequency before energization.
- 4 Confirm the Q7800 subbase wiring against the approved burner diagram.

PRE-WORK HOLD POINT

Confirm the complete EC7850A1072 identity, approved 7800 SERIES subbase, amplifier, purge timer, detector and burner sequence before energization or replacement.

EC7850A1072

- 5 Match the flame amplifier and detector to the approved flame-sensing method.
- 6 Confirm the ST7800A purge-timer selection and required purge duration.
- 7 Test permissives, ignition, flame proving, shutdown and lockout functions.
- 8 Record the as-left sequence, LED states and acceptance results before release.

CONNECTION DECISIONS

Match the voltage, flame amplifier, purge timer, wiring subbase and flame detector to the approved burner design. Record the selected flame-failure response time and pilot stabilization arrangement, then test the complete permissive, ignition, flame-proving, shutdown and lockout sequence before release.

TECHNICAL ACCEPTANCE

Honeywell lists the EC7850A1072/U at 220-240 Vac, 50/60 Hz, with a two-second postpurge. Pilot flame establishment can be configured for 3 or 5 seconds; the exact flame amplifier determines the approved flame-failure response time and detector interface.

EC7850A1072

What is Honeywell EC7850A1072?

It is a microprocessor-based 7800 SERIES relay module for automatic burner sequencing, flame supervision, status indication, diagnostics and troubleshooting in full-modulation burner applications.

Which supply rating is specified for EC7850A1072/U?

Honeywell lists 220-240 Vac, +10/-15%, at 50/60 Hz, with the 60 Hz tolerance stated as +/-10%.

What postpurge is built into this exact execution?

The exact EC7850A1072/U row specifies a two-second postpurge.

Which external components are required to complete the control?

The catalog lists a Q7800A/B wiring subbase, an approved R7847/R7849/R7861/R7886 flame amplifier, and an ST7800A purge timer, together with the selected compatible flame detector.

How is the prepurge time established?

The prepurge is set by the selected ST7800A purge timer rather than by changing the exact relay-module identity.

What information remains available after a power interruption?

Nonvolatile memory retains sequence history and lockout information so the last recorded state can support controlled troubleshooting after power returns.

Which pilot flame periods are supported?

Honeywell lists three- or five-second pilot flame establishment periods, while the approved amplifier and system design determine the final flame-failure response and detector arrangement.

EC7850A1072

MANUFACTURER SOURCE

Honeywell Combustion Catalog: 7800 SERIES Programmer Controls, and Honeywell Programmer Control Cross Reference, form 70-8313, exact EC7850A1072/U row

Related Honeywell catalog pages

Browse related automation products. These links do not establish interchangeability.

Honeywell TC-FTEB01 51309512-125

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Honeywell FC-FANWR-24R

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Honeywell MU-TAIH12 51304337-100

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AS-LEFT RECORD

Confirm the complete EC7850A1072 identity, approved 7800 SERIES subbase, amplifier, purge timer, detector and burner sequence before energization or replacement.

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EC7850A1072