

S8610U Universal Intermittent Pilot Module

Field service replacement for most Honeywell, Robertshaw, Johnson, and UTEC (HSC) intermittent pilot ignition modules. Provides electronic control of most intermittent pilot ignition systems used on gas-fired furnaces, boilers and other heating appliances.



- Provides ignition sequence, flame monitoring and safety shutoff for intermittent pilot central furnaces and heating appliances.
- Provides 100 percent pilot gas shutoff if pilot fails to light; after 6-minute delay, trial for ignition is repeated. Ignition trial/delay sequence is repeated until the appliance lights or call for heat is removed.
- For use with natural or LP gas.
- For use in single rod or dual rod/remote sense applications.
- Includes relay contacts for use with any intermittent pilot gas control string with maximum 1.0A pilot or 2.0A main valve rating; Honeywell VR8204, VR8304 or VR8345M combination gas control recommended.
- Functional equivalent of S86, S8600, S8610 and S90 modules.
- Includes spark cable adapters to allow field replacement of both Honeywell and competitive controls without replacing existing spark cable.

Replaces most of the following intermittent pilot modules:

- Honeywell S86, S90, S8600 and S8610
- Robertshaw SP715, SP715A, SP735, SP735A, SP735L
- Johnson GSA, G60, G65, G67, G600, G770

Refer to S8610 specification sheet for a complete list of model numbers.

- *SUPER TRADELINE* model.

Order Number	Shutoff Time	Description
• <u>S8610U1003</u>	90 sec. max.	100 percent pilot gas shutoff and lockout on loss of pilot flame. Includes remote reset, and automatic vent damper plug. For use in systems with combination igniter-sensor (single rod or sense) or separate igniter and sensor (dual rod or remote sense).

APPROVALS:

- American Gas Association Design Certified.
- Canadian Gas Association Design Certified.
- Underwriters Laboratories Inc. Component Recognized.

TEMPERATURE RATINGS:

Ambient: -40 F to +165 F (-40 C to +74 C).

FLAME FAILURE RESPONSE TIME: 0.8 sec. at 1.0 μ A flame current.

ELECTRICAL CONNECTIONS: ¼ in. male quick-connect terminals, including ignition terminal (3/16 in. male quick-connect sense terminal).

ELECTRICAL RATINGS:

Power Supply: 24V (nominal), 60 Hz.

Current: 0.2A

Spark Generator Output: 13 kV peak at 25 pf load.

Contact (at 24 Vac):

	Running	Inrush
Pilot	1.0A	10.0A
Main	2.0A	20.0A

NOTE: Maximum ambient temperature is 175 F (79 C) if main valve relay load is 1.0A or less.

THERMOSTAT HEAT ANTICIPATOR SETTING: 0.2A plus pilot valve rating plus main valve rating.

ACCESSORIES:

394800-30 Ignition Cable; 30 in. (762 mm) cable with ¼ in. quick-connect on module end; Rajah connector receptacle, 90 deg. rubber boot on igniter end.

394801-30 Ignition Cable; 30 in. (762 mm) cable with ¼ in. quick-connect on module end; Rajah connector receptacle, straight rubber boot on igniter end.