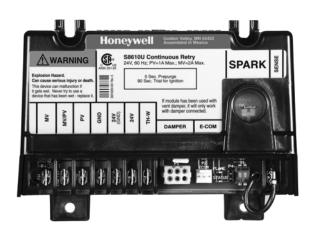
### **Ignition Pilot Modules**

### **S8610U Universal Intermittent Pilot Module**



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.

Field service replacement for most Honeywell, Robertshaw,

- 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

**Application:** One or Two Rod Intermittent Pilot Control with continuous retry trial time with configurable lockout timing of 15 or 90 seconds and configurable prepurge of 30 seconds or no prepurge

**Dimensions, Approximate:** 3 15/16 in. high x 5 7/16 in. wide x 2 5/8 in.

deep (100 mm high x 138 mm wide x 67 mm deep)

Type of Gas: Natural or LP Electrical Ratings: 24 Vac Frequency: 50/60 Hz

Flame Sense: Single Rod or Two Rods

**Ignition Sequence:** Continuous retry, after trial for ignition, pilot gas shuts off for 5 minutes, then another trial for pilot ignition takes place

Ignition Source: Internal high voltage spark generator

Ignition System Type: Intermittent Pilot

Maximum Valve Load @ 24 Vac (Amps): 1A Pilot, 2A Main @ 165 F;

1A Pilot, 1A Main @ 175 F

Typical Gas Control: VR8204, VR8304

Typical Ignition Hardware: Q345, Q3451, Q3452

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

Approvals:

Canadian Standards Association: Design Certified

#### Accessories:

**394800-30** 30 in. Ignition Cable with Right Angle Boot for use with S8600 family

**394801-30** 30 in. Ignition Cable Assembly with straight boot for use with

S8600 family

				Between Trial Time (sec)	Ignition Trials To Lockout	Lockout Timing	PrePurge	Includes
•		2 seconds maximum		5 minute delay after failed trial for ignition.		15 seconds or 90	30 seconds or	Damper connection with automatic vent damper plug
*	TRADELINE models • SUPER TRADELINE models							

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## **Ignition Pilot Module Accessories**

# Gas Ignition Module Accessories

Product Number	Description	Picture
392125-1	25 in. ignition cable assembly with a right angle boot on the igniter end and a straight boot on the module end. For use with the S86/S87 family.	
392125-2	36 in. ignition cable assembly with a right angle boot on the igniter end and a straight boot on the module end. For use with the S86/S87 family.	
392125-5	18 in. ignition cable assembly with a right angle boot on the igniter end and a straight boot on the module end. For use with the S86/S87 family.	
393044	Y86 Wiring Harness Assembly	
394800-30	30 in. Ignition Cable with Right Angle Boot for use with S8600 family	
394801-30	30 in. Ignition Cable Assembly with straight boot for use with S8600 family	
4074EPM	Male Rajah to 1/4 in. Female Quick Connect adapter for use with S8600 family	