

## 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.

**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

Product Number	Flame Failure Response Time (sec)	Ignition Trial Time (sec)	Between Trial Time (sec)	Ignition Trials To Lockout	Lockout Timing	PrePurge	Includes
• S8610U3009	2 seconds maximum	continuous retry	5 minute delay after failed trial for ignition.	continuous retry	Configurable to 15 seconds or 90 seconds	Configurable to 30 seconds or no prepurge	Damper connection with automatic vent damper plug

\* TRADELINE models • SUPER TRADELINE models

# 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	