

# SDSSN24

## Specifications

OPERATING VOLTAGE	24 VAC + / - 10 -- 15 %
TIME TO REACH 1800°F (982°C)	2.5 TO 3 SECONDS @24 VAC +/- 1.0 AND 75° AMBIENT
COLD RESISTANCE	2.5-5.0 OHMS @ 77°F (25°C)
STEADY CURRENT	9.8 -- 1.4 AMPS @24 VAC +/- 1.0

## Uses & Replacements

Used in Honeywell® Smart Valves	Replaces Flame Rod Assemblies
• SV9500	• 1009524
• SV9500M2603	• 1149856
• SV9500M2674	• 42640001
• SV9500M2682	• Q3400A
• SV9501M2528	• Q3400A1016
• SV9600	• Q3400A1024
• SV9600H	• Q3400A1040
• SV9401	• Q3450
• SV9402	• Q3480
• SV9403	• Q3620
• SV9501	
• SV9502	<b>PACKARD®</b>
• SV9503	• IG9500
• SV9601	<b>MARS®</b>
• SV9602	• 68012
	<b>IGNITERS DIRECT®</b>
	• AFN643



SUPPLYING DEMAND®

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## 24 VOLT SILICON NITRIDE IGNITER & FLAME ROD ASSEMBLY KIT

- STRONG, DURABLE SILICON NITRIDE DESIGN
- LOW ENERGY CONSUMPTION
- USED IN FURNACES, BOILERS, UNIT HEATERS, & WATER HEATERS

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### IGNITER FLAME ROD ASSEMBLY WARNING



**Fire or Explosion Hazard.** Disconnect power supply before removing any connector. Turn off gas supply at appliance service valve before starting igniter-flame rod assembly removal. Have a qualified service technician replace the igniter assembly. **Failure to do so can result in property damage, personal injury, and/or death.**

## INSTALLATION INSTRUCTIONS

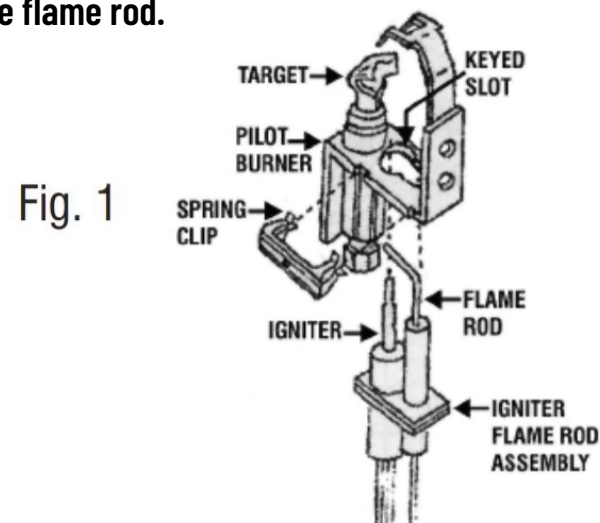
1. Read these instructions carefully.
2. Turn off power at circuit breaker or fuse box. Turn off gas at appliance service valve.
3. Hold bottom of the assembly with one hand and with the other hand remove the spring clip by pulling it away from the pilot burner. (Fig. 1)
4. Remove assembly from the pilot burner.
5. Disconnect the wire leads from the ignition system control module.
6. Discard old assembly.
7. Make sure the assembly is oriented in the proper direction for installation in the pilot burner.
8. Insert assembly into the pilot burner until assembly is flush with pilot burner bracket. Secure with new spring clip.
9. Connect the igniter-flame rod assembly keyed plug to igniter connector on the ignition system control.
10. Turn on power and gas supply.

## LIGHTING INSTRUCTIONS

1. Set thermostat to call for heat.
2. Watch the pilot burner during ignition sequence. See if:
  - a. Igniter glows and pilot lights.
  - b. Igniter ceases to glow red after the pilot is lit.
  - c. Main burner lights.
3. If ignition sequence is not as described above, verify installation instructions and troubleshoot the assembly.

### INSTALLATION NOTE

- When inserting the igniter & flame rod assembly into the pilot burner, make sure it is securely centered with the spring clip and the flame rod is not touching any of the pilot burner. It requires full clearance.
- If the flame rod is touching the pilot burner, carefully adjust the pilot burner slightly away from the flame rod.



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