

# SSN SERIES

## Silicon Nitride ( $\text{Si}_3\text{N}_4$ ) Universal Furnace Igniters

**The SSN Series provide replacements for hundreds of OEM igniters. Silicon Nitride ( $\text{Si}_3\text{N}_4$ ) igniters offer the ultimate in durability and cycle life.**

### Features/Benefits

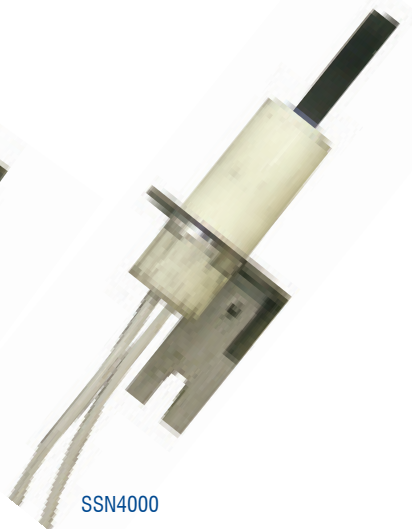
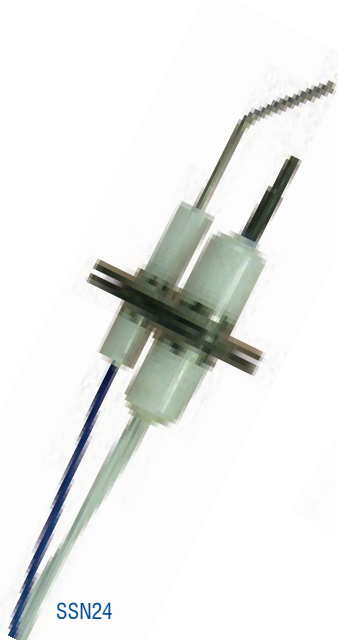
- Silicon Nitride technology for strong, durable operation and performance
- Easy installation: kits include igniter, mounting brackets, hardware, instructions & cross reference
- Universal replacements, reduces SKU's
- Replaces hundreds of OEM & competitors igniters
- Longer igniter life (non-porous construction)
- Low energy consumption uses half the power of Silicon Carbide igniters
- Superior gas lighting ability, faster time to temperature response than Silicon Carbide igniters
- No need for power supply module

### Applications

(Various types of gas fired equipment)

- Furnaces
- Boilers
- Unit Heaters
- Water Heaters
- Pool Heaters

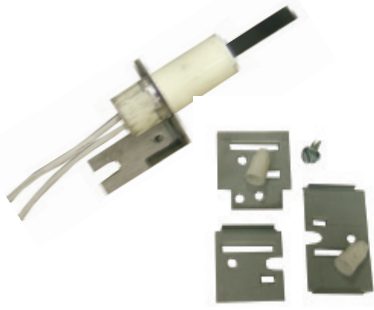
**Note:** Silicon Nitride HSI igniters  
CANNOT be used in Direct Sense Applications!



# 120V Universal Silicon Nitride Igniters

Choose from three (3) Si<sub>3</sub>N<sub>4</sub> igniters to upgrade your ignition control systems.

- 120 volt full line voltage igniters no power supply module required

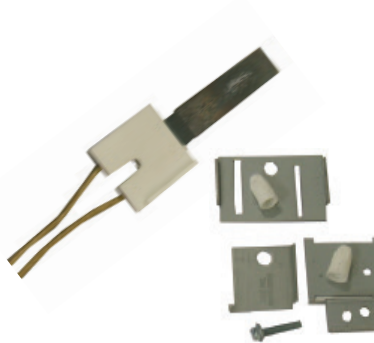


## SSN4000 Ultimate Mini Universal Silicon Nitride Igniter 120 Volt

- Miniature design
- Life rated to 200,000 cycles
- 3 year warranty

### SSN4000 - Specifications

Operating Voltage	115 VAC Min 102-132 VAC
Time To Temperature	1800F (982C) <10 Seconds @ 115 VAC & 75F +/- 10F Ambient
Steady Temperature	2366F (1297C)
Cold Resistance	46 Ohms @ 75f +/- 10F
Steady Current	.53Amps @ 115 VAC
High Temperature Wire Leads	6" 20 AWG 572F (300C) UL1332
Life Cycles	>200,000



## SSN3000 Heavy Duty Universal Silicon Nitride Igniter 120 Volt

- Robust design
- Life rated to 50,000 cycles
- 2 year warranty

### SSN3000 - Specifications

Operating Voltage	115 VAC Min 102-132 VAC
Time To Temperature	1800F (982C) <17 Seconds @ 102 VAC & 75F +/- 10F Ambient
Steady Temperature	2366F (1297C)
Cold Resistance	10 Ohms @ 75F +/- 10F
Steady Current	<4.25 Amps @ 132 VAC
High Temperature Wire Leads	24" 18 AWG 842F (450C) UL512B
Life Cycles	>50,000



## SSN2000 Universal Silicon Nitride Igniter 120 Volt

- Economic design
- Life rated to 50,000 cycles
- CSA Appoved
- 1 year warranty

### SSN2000 - Specifications

Operating Voltage	120 VAC (+/-10-15%)
Time to 2102°F (1150°C)	<17 seconds @ 120 VAC
Steady Temperature	2156°F-2426°F (1180°C-1330°C) @ 120 VAC
Cold Resistance	15-30 Ohms @ 77°F (25°C)
Steady Current	1.3 Amps (+/-0.3 Amps @ 120 VAC)
High Temperature Wire Leads	20 AWG UL10362 482F°
Life Cycles	>50,000

### SSN2000 Cross Reference

American Appliance	DMO Industries	LB White	Norton	Superior Fireplace	White Rodgers	Williamson
271B	20834	120-07549	201, 201D, 201J, 201K, 201L	94851	737A-306	9050
American Road Equip	Dornback Furnace	Majestic	201M, 201N, 201R, 201W	Tempstar	767A-310	York Intl
201W	271W	75-92-104	201Y, 271, 271D, 271M	1096048	767A-311	025-27766-000
Arcoaire	Ducane	75-92-105	271N, 271NM, 271P	1148245	767A-350	025-27774-000
1096048	20015201	Mars	271W, 271Y	Trane	767A-353	025-29043-000
1380680	Enerco Tech	67930	Perfection Schwank	340039P01, B138196P01	767A-354	025-29050-000
Armstrong Air	10399	67931	108803-G1	B144676P01, B144676P02	767A-357	025-32625-000
38322B001	Evcon	67932	Raypak	B340039P01, IGN21	767A-361	025-32626-000
Carlin	1474-051	Metzger	600915	IGN23, IGN26, IGN30, IGN34	767A-364	025-33241-000
87197S	1474-052	201N	Rheem	Viessman	767A-365	373-05342-700
Carrier Corp	Goodman	201W	62-22441-01	9302-094	767A-366	473-12509-001
LH33ZS001A	10401009	Mor Flo	62-22868-82	Wayne Home Eq	767A-370	
LH33ZS002	B1401018S	3200618	62-22868-93	62821-001	767A-371	
Claire Brothers	HB Smith	3200618	Roberts Gordon	62821-002	767A-372	
C238	50018	Mor Flo	90434300	Weil Mclain	767A-373	
C242	Heil	3210401	90436600	511-330-139	767A-374	
Coleman	1096048	3200618	Robertshaw	511-330-190	767A-375	
1474-051	Hupp Industries	Nordyne	41-402, 41-403, 41-404	511-330-193	767A-376	
174-052	9050	105141000	41-405, 41-406, 41-407, 41-408	White LB Co	767A-377	
Comfortmaker	ICP	632-0770	41-409, 41-410, 41-411	120-07549	767A-382	
1096048	1009604	632-0880	41-412, 41-413, 41-414	White Rodgers	767A-383	
Comfort Zone	1096048	902661	Snyder General	21D64-2	767A-384	
150114-04-01	Igniters Direct	902694	1380654	767A-301	F767A-357	
Detroit Radiator	HSIURK120V	903110	1380672	767A-303	F767-A361	
201D		FC007	1380680		F767-A365	
					F767-A366	
					21D64-2	

## SSN3000 Cross Reference

<b>Amana</b>	<b>Detroit/Brant Radiant</b>	<b>HB Smith</b>	<b>Lennox</b>	<b>Norton</b>	41-409	FC041	IGN26	767A-366
10735002	14740512	101344	96P01	201W	41-410	FC045	IGN28	767A-370
10755002	201D	1148245	36N77	271M	<b>Robertshaw/</b>	FC046	IGN30	767A-371
B138196P01	<b>DMO/Olsen/ECR Ind</b>	<b>Hupp Ind</b>	98P77	271N	<b>Uniline</b>	FC048	IGN34	767A-372
B144676P02	26789	9050	98P78	271P	41-412	<b>Surface Igniter</b>	<b>Trianco Heatmaker</b>	<b>Williamson</b>
B340039P01	20834	<b>ICP/Heil/Arcoaire/</b>	<b>Majestic</b>	271R	41-1090	FC050	2600-359	09050
B144676P01	<b>Dornback</b>	<b>Keeprite</b>	75-92-104	271RS	41-402N	FC051	<b>Viessmann</b>	<b>York</b>
<b>American Appliance</b>	271W	<b>Comfortmaker/</b>	75-92-105	271W	41-403N	<b>Starlite</b>	9302-093	025-32626-000
271B	<b>Ducane</b>	<b>Tempstar</b>	75-92-104	201A	41-404N	11120-100-1402	9302-094	473-12509-001
<b>American Standard</b>	20015201	<b>Snyder General</b>	95-92-105	271A	41-405N	11120-100-1403	<b>Wayne Home</b>	373-09154-700
IGN0030	<b>Enerco Tech</b>	1009980	<b>Mars</b>	201R	41-408N	11120-100-1405	<b>Equipment</b>	025-27774-000
<b>American Water Heater</b>	10399	1096048	67930	201	41-407N	11120-100-1407	62821-001	025-29043-000
6905032	<b>EZ Flow</b>	1009604	<b>Metzger</b>	271	41-409N	11120-100-1408	62821-002	025-29050-000
<b>Arcoaire</b>	62374	1001344	201N	271NM	41-410N	11120-100-1409	<b>Weil McLain</b>	025-27766-000
<b>See ICP</b>	<b>GE/Hot Point</b>	1380680	201W	<b>Olsen</b>	41-412N	<b>Superior Fireplace</b>	29074	025-30277-000
<b>Armstrong</b>	WG37X11	1148145	<b>Mor-Flo</b>	26789	<b>Surface Igniter</b>	94851	511-330-139	025-32638-002
383228001	WG37X34	1096047	3200618	<b>Raypack</b>	FC007	<b>Temp Controls</b>	511-330-193	025-32625-000
38322B001	<b>Giant PV</b>	1380654	<b>Nordyne/Tappan</b>	600915	FC011	9302-094	511-330-190	025-31801-000
<b>Barnett Brass</b>	526000125	1380672	<b>Frigidaire/Philco</b>	<b>Rheem/Rudd</b>	FC014	<b>Trane</b>	<b>Whirlpool</b>	373-05342-700
661924	526000025	1148245	<b>Intertherm/Miller</b>	62-22868-93	FC018	3400339P01	99794323	025-27766-000
661927	<b>GMO Industries</b>	<b>Integra</b>	903110	62-22441-01	FC020	B340039P01	99794328	
661928	20834	6905032	105141000	62-22868-82	FC021	B12996P01	<b>White LB Co</b>	
<b>Carrier</b>	<b>Goodman/Janitrol</b>	3260618	632-0880	<b>Roberts Gordon</b>	FC022	B144676P01	120-07549	
LH33ZS001A	B1172606	<b>Johnstone</b>	902661	90434300	FC023	B144676P02	<b>White Rodgers</b>	
LH33ZS002	B1193939	L37-698	902694	90436600	FC024	B138196P01	767A-301	
LH33ZS003	B1401009	L37-699	903758	<b>Robertshaw/</b>	FC025	IGN21	767A-303	
LH33ZS004	<b>Grimsby Stove</b>	L37-700	632-3811	<b>Uniline</b>	FC027	IGN26	767A-306	
<b>Claire Bros</b>	ZCO-350	L37-812	<b>Norton</b>	41-238	FC028	IGN28	767A-309	
C238	<b>John Woods/GSW PV</b>	L37-814	101M	41-242	FC029	IGN30	767A-350	
C238-1	86483	L37-816	201D	41-402	FC030	IGN34	767A-352	
C242	71082	<b>LB White Co</b>	201K	41-403	FC032	B144676P01	767A-353	
<b>Coleman/Evcon</b>	<b>HB Smith</b>	120-07549	201L	41-404	FC034	B144676P02	767A-354	
14740511	50018	<b>Lennox</b>	201M	41-405	FC035	B138196P01	767A-356	
14740512	9050	33J3701	201P	41-407	FC037	IGN21	767A-364	
				41-408	FC040	IGN23	767A-365	

## SSN4000 Cross Reference

<b>Amana</b>	<b>GE/Hot Point</b>	<b>Snyder General</b>	<b>Intertherm/Miller</b>	62-22668-93	<b>Superior Fireplace</b>	120-07549
10735002	WG37X11	1380680	903758	<b>Rheem</b>	94851	<b>White Rodgers</b>
10755002	WG37X34	1148145	105141000	62-212868-82	<b>Temp Controls</b>	767A-301
B138196P01	<b>Giant PV</b>	1096047	RH622286893	62-22868-02	9302-094	767A-303
B144676P02	526000125	1380654	632-0770	90434300	<b>Trane</b>	767A-306
B340039P01	FC067	1380672	632-0880	<b>Roberts Gordon</b>	3400339P01	767A-309
B144676P01	626000025	1148245	632245-0	90436600	B340039P01	767A-350
<b>American Standard</b>	<b>GMO</b>	<b>Integra</b>	902661	<b>Robertshaw/</b>	B12996P01	767A-352
IGN0030	20834	6905332	902694	<b>Uniline</b>	B144676P01	767A-353
<b>Arcoaire</b>	<b>Goodman/Janitrol</b>	3260618	903758	41-402	B144676P02	767A-354
<b>See ICP</b>	B1193939	<b>Johnstone</b>	632-3811	41-403	B138196P01	767A-356
<b>Armstrong</b>	B11726-06	L37-698	632-3540	41-404	IGN21	767A-364
383322B001	B1401009	L37-699	<b>Norton</b>	41-405	IGN26	767A-365
<b>Barnett Brass</b>	<b>Grimsby Stove</b>	L37-700	101M	41-407	IGN28	767A-366
661924	ZCO-350	L37-812	201D	41-408	IGN30	767A-370
661926	<b>John Woods/GSW PV</b>	L37-814	201K	41-409	IGN34	767A-371
661927	86483	L37-815	201L	41-410	B144676P01	767A-372
661928	71082	L37-816	201M	41-1090	B144676P02	<b>Williamson</b>
<b>Carrier</b>	<b>HB Smith</b>	L40-765	201P	41-402N	B138196P01	9050
LH33ZS001A	50018	<b>LB White Co</b>	<b>Nordyne/Tappan</b>	41-403N	IGN21	<b>York</b>
LH33ZS002	1148245	120-07549	<b>Frigidaire/Philco</b>	41-404N	IGN23	025-32626-000
LH33ZS003	9050	<b>Lennox</b>	<b>Intertherm/Miller</b>	41-405N	IGN26	473-12509-001
LH33ZS004	101344	33J3701	201W	41-407N	IGN28	373-09154-700
<b>Clare Bros</b>	<b>Heatmaker</b>	96P01	271M	41-408N	IGN30	025-27774-000
C238	2400-048	36N77	271N	41-409N	IGN34	025-29043-000
C238-1	2400-286	98P77	271P	41-410N	41-410N	<b>Trianco Heatmaker</b>
C242	2600-359	98P78	271R	41-412N	41-412N	2600-359
<b>Coleman/Evcon</b>	3079-100	<b>Majestic</b>	271RS	<b>Starlite</b>	<b>Viessmann</b>	025-30277-000
14740511	9330-102	75-92-104	271W	11120-100-1402	9302-093	025-32638-002
14740512	<b>Hupp Ind</b>	75-92-105	201A	11120-100-1403	9302-094	025-32625-000
<b>Detroit/Brant Radiant</b>	9050	<b>Metzger</b>	271A	11120-100-1405	<b>Wayne Home</b>	025-31801-000
201D	<b>ICP/Heil</b>	201N	201R	11120-100-1407	<b>Equipment</b>	373-05342-700
<b>DMO/Olsen ECR Ind</b>	<b>Comfortmaker/Arcoaire</b>	201W	201	11120-100-1408	62821-001	025-27766-000
26789	<b>Tempstar/Keeprite</b>	<b>Mor Flo</b>	271	11120-100-1409	62821-002	
20834	<b>Snyder General</b>	3200618	271NM	<b>Surface Igniter</b>	<b>Weil McLain</b>	
<b>Dornback</b>	1009980	<b>Nordyne/Tappan</b>	<b>Olsen</b>	FC007	29074	
271W	1096048	<b>Frigidaire/Philco</b>	26789	FC024	511-330-139	
<b>Ducane</b>	1009604		<b>Raypack</b>	FC035	511-330-193	
20015201	1001344		50015	FC046	511-330-190	
<b>Enerco Tech</b>	<b>ICP/Heil</b>		600915	FC050	<b>Whirlpool</b>	
10399	<b>Comfortmaker/Arcoaire</b>		<b>Rheem</b>	<b>Surface Igniter</b>	99794323	
<b>EZ Flow</b>	<b>Tempstar/Keeprite</b>		62-22441-01	FC051	99794328	
62374				FC055	<b>White LB Co</b>	

# SSN24

## Universal 24 VOLT Silicon Nitride ( $\text{Si}_3\text{N}_4$ ) Igniter & Flame Rod Assembly Kit

### Features & Benefits

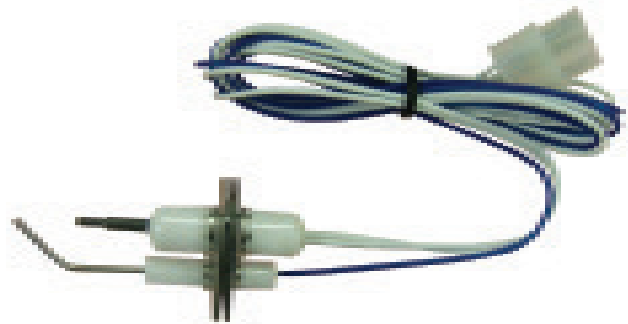
- Silicon Nitride design for strong, durable operation and performance.
- Low energy consumption.
- Backward compatible with all 24 Volt Honeywell 1st & 2nd second generation Smart Valves.
- Specifically used with the Honeywell Smart Valve™
- Kit includes pre-assembled SiNi igniter & Ni Chrome flame rod, mounting clip, instructions and cross – reference.

### Applications

- Furnaces, boilers, unit heaters, hot water heaters, fireplaces, pool heaters and spas that utilize the Honeywell Smart Valve.

### 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°F Ambient
Cold Resistance	4 – 6 Ohms @ 75 F (24°C)
Steady Current	0.98 – 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	Mars
SV9503	68012
SV9601	Igniters Direct
SV9602	AFN643