

SSN SERIES

Silicon Nitride (Si_3N_4)

Universal Furnace Igniters

The SSN Series provide replacements for hundreds of OEM igniters. Silicon Nitride (Si_3N_4) igniters offer the ultimate in durability and cycle life.

Features/Benefits

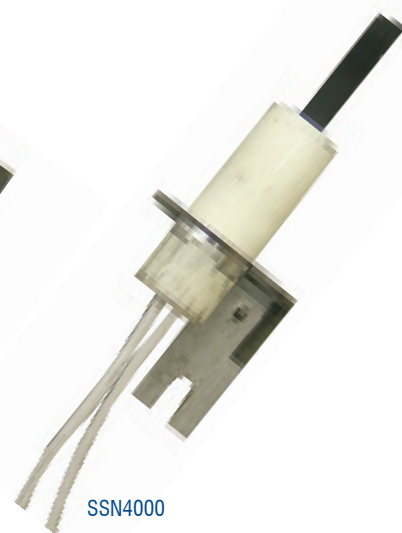
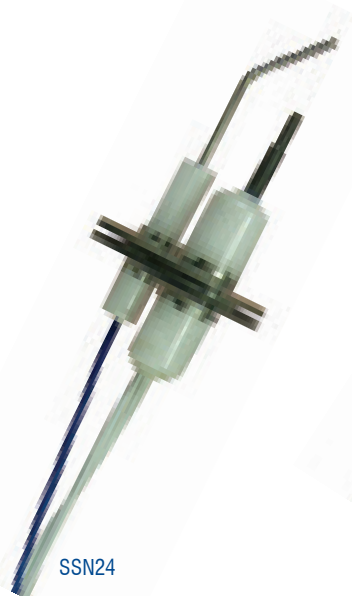
- Silicon Nitride technology for strong, durable operation and performance
- Easy installation: kits include igniter, mounting brackets, hardware, instructions & cross reference
- Universal replacements, reduces SKU's
- Replaces hundreds of OEM & competitors igniters
- Longer igniter life (non-porous 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

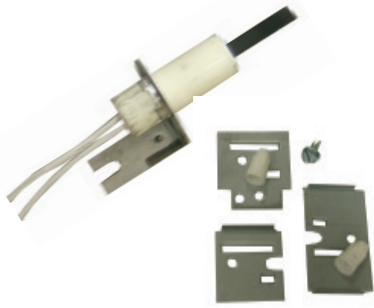
Note: Silicon Nitride HSI igniters
CANNOT be used in Direct Sense Applications!



120V Universal Silicon Nitride Igniters

Choose from three (3) Si₃N₄ igniters to upgrade your ignition control systems.

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

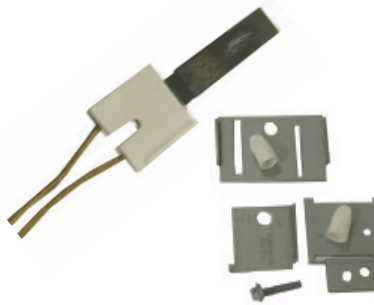


SSN4000 Ultimate Mini Universal Silicon Nitride Igniter 120 Volt

- 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 271B American Road Equip 201W Arcoaire 1096048 1380680 Armstrong Air 38322B001 Carlin 87197S Carrier Corp LH33ZS001A LH33ZS002 Claire Brothers C238 C242 Coleman 1474-051 174-052 Comfortmaker 1096048 Comfort Zone 150114-04-01 Detroit Radiator 201D	DMO Industries 20834 Dornback Furnace 271W Ducane 20015201 Enerco Tech 10399 Evcon 1474-051 1474-052 Goodman 10401009 B1401018S HB Smith 50018 Heil 1096048 Hupp Industries 9050 ICP 1009604 1096048 Igniters Direct HSIURK120V FC007	LB White 120-07549 Majestic 75-92-104 75-92-105 Mars 67930 67931 67932 Metzger 201N 201W Mor Flo 3200618 3200618 Mor Flo 3210401 3200618 Nordyne 105141000 632-0770 632-0880 902661 902694 903110 FC007	Norton 201, 201D, 201J, 201K, 201L 201M, 201N, 201R, 201W 201Y, 271, 271D, 271M 271N, 271NM, 271P 271W, 271Y Perfection-Gschwank 108803-G1 Raypak 600915 Rheem 62-22441-01 62-22868-82 62-22868-93 Roberts Gordon 90434300 90436600 Robertshaw 41-402, 41-403, 41-404 41-405, 41-406, 41-407, 41-408 41-409, 41-410, 41-411 41-412, 41-413, 41-414 Snyder General 1380654 1380672 1380680	Superior Fireplace 94851 Tempstar 1096048 1148245 Trane 340039P01, B138196P01 B144676P01, B144676P02 B340039P01, IGN21 IGN23, IGN26, IGN30, IGN34 Viessman 9302-094 Wayne Home Eq 62821-001 62821-002 Weil McInain 511-330-139 511-330-190 511-330-193 White LB Co 120-07549 White Rodgers 21D64-2 767A-301 767A-303	White Rodgers 737A-306 767A-310 767A-311 767A-350 767A-353 767A-354 767A-357 767A-361 767A-364 767A-365 767A-366 767A-370 767A-371 767A-372 767A-373 767A-374 767A-375 767A-376 767A-377 767A-382 767A-383 767A-384 F767A-357 F767-A361 F767-A365 F767-A366 21D64-2	Williamson 9050 York Intl 025-27766-000 025-27774-000 025-29043-000 025-29050-000 025-32625-000 025-32626-000 025-33241-000 373-05342-700 473-12509-001
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SSN3000 Cross Reference

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

Amana	GE/Hot Point	Snyder General	Intertherm/Miller	62-22668-93	Superior Fireplace	120-07549
10735002	WG37X11	1380680	903758	Rheem	94851	White Rodgers
10755002	WG37X34	1148145	105141000	62-212868-82	Temp Controls	767A-301
B138196P01	Giant PV	1096047	RH622286893	62-22868-02	9302-094	767A-303
B144676P02	526000125	1380654	632-0770	90434300	Trane	767A-306
B340039P01	FC067	1380672	632-0880	Roberts Gordon	3400339P01	767A-309
B144676P01	626000025	1148245	632245-0	90436600	B340039P01	767A-350
American Standard	GMO	Integra	902661	Robertshaw/	B12996P01	767A-352
IGN0030	20834	6905332	902694	Uniline	B144676P01	767A-353
Arcoaire	Goodman/Janitrol	3260618	903758	41-402	B144676P02	767A-354
See ICP	B1193939	Johnstone	632-3811	41-403	B138196P01	767A-356
Armstrong	B11726-06	L37-698	632-3540	41-404	IGN21	767A-364
383322B001	B1401009	L37-699	Norton	41-405	IGN26	767A-365
Barnett Brass	Grimsby Stove	L37-700	101M	41-407	IGN28	767A-366
661924	ZCO-350	L37-812	201D	41-408	IGN30	767A-370
661926	John Woods/GSW PV	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	Williamson
Carrier	HB Smith	L40-765	201P	41-402N	B138196P01	9050
LH33ZS001A	50018	LB White Co	Nordyne/Tappan	41-403N	IGN21	York
LH33ZS002	1148245	120-07549	Frigidaire/Philco	41-404N	IGN23	025-32626-000
LH33ZS003	9050	Lennox	Intertherm/Miller	41-405N	IGN26	473-12509-001
LH33ZS004	101344	33J3701	201W	41-407N	IGN28	373-09154-700
Clare Bros	Heatmaker	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	Tranco Heatmaker	025-29050-000
C242	2600-359	98P78	271R	41-412N	2600-359	025-27766-000
Coleman/Evcon	3079-100	Majestic	271RS	Starlite	Viessmann	025-30277-000
14740511	9330-102	75-92-104	271W	11120-100-1402	9302-093	025-32638-002
14740512	Hupp Ind	75-92-105	201A	11120-100-1403	9302-094	025-32625-000
Detroit/Brant Radiant	9050	Metzger	271A	11120-100-1405	Wayne Home	025-31801-000
201D	ICP/Heil	201N	201R	11120-100-1407	Equipment	373-05342-700
DMO/Olsen ECR Ind	Comfortmaker/Arcoaire	201W	201	11120-100-1408	62821-001	025-27766-000
26789	Tempstar/Keeprite	Mor Flo	271	11120-100-1409	62821-002	
20834	Snyder General	3200618	271NM	Surface Igniter	Weil McLain	
Dornback	1009980	Nordyne/Tappan	Olsen	FC007	29074	
271W	1096048	Frigidaire/Philco	26789	FC024	511-330-139	
Ducane	1009604		Raypack	FC035	511-330-193	
20015201	1001344		50015	FC046	511-330-190	
Enerco Tech	ICP/Heil		600915	FC050	Whirlpool	
10399	Comfortmaker/Arcoaire		Rheem	Surface Igniter	99794323	
EZ Flow	Tempstar/Keeprite		62-22441-01	FC051	99794328	
62374				FC055	White LB Co	

SSN24

Universal 24 VOLT Silicon Nitride (Si_3N_4) Igniter & Flame Rod Assembly Kit

Features & Benefits

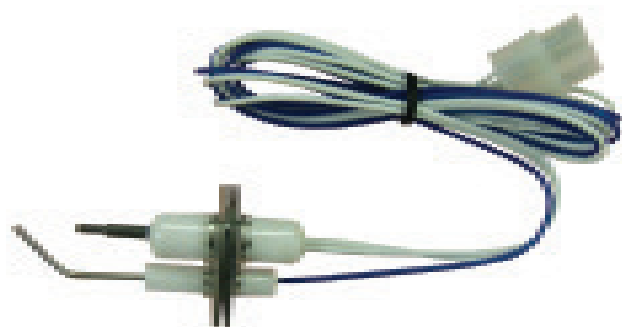
- Silicon Nitride design for strong, durable operation and performance.
- Low energy consumption.
- Backward compatible with all 24 Volt Honeywell 1st & 2nd second generation Smart Valves.
- Specifically used with the Honeywell Smart Valve™
- Kit includes pre-assembled SiNi igniter & Ni Chrome flame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