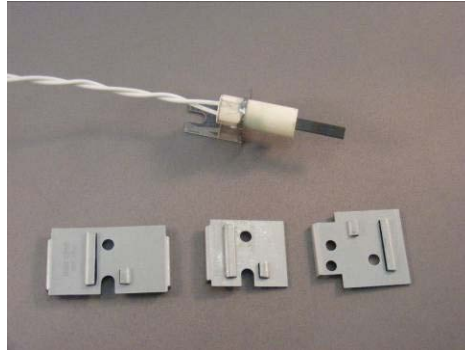




SIC SN-Igniter
120 Volts Nominal
Data Sheet



SIC 120 Volt SN Families-Igniter

Time to Temperature	<17 seconds @ 120 +/- 1.0 VAC
Resistance	34 - 64 Ohms
Minimum Temperature	2192°F / 1200°C @ 98 Volts
Maximum Temperature	2732°F / 1500°C @ 132 Volts
Steady State Current	0.8 to 2.0 Amps Maximum @ 120 Volts
Igniter Material	Silicon Nitride
Bushing Material	Custom and Standard design available in Alumina, Cordierite, and Steatite. .
Lead Wires and Terminals	250°C Various terminals available
Control System	Plug and Play compatible with all industry manufacturers systems. No special controls needed to protect the igniter.
Agency Approval	CSA Approved

The information contained in the document is believed to be accurate and reliable but is presented without guarantee or warranty on the part of Surface Igniter LLC. Further, nothing present herein should be interpreted as Authorization or inducement to practice any patented invention without appropriate license.



The Original® Hot Surface Igniter

Igniter Cross Reference

SN069 Universal Silicon Nitride

Bramec Item # 414802

Amana 10735002 10735002 B138196P01 B144676P02 B340039P01 B144676P01 American Standard IGN0030 Arcoaire See ICP Armstrong 38322B001 Barnett Brass 661924 661926 661927 661928 Carrier LH33ZS001A LH33ZS002 LH33ZS003 LH33ZS004 Clare Bros C238 C238-1 C242 Coleman/Evcon 14740511 14740512 Detroit/Brant Radiant 201D	DMO/Olsen ECR Ind 26789 20834 Dornback 271W Ducane 20015201 Enerco Tech 10399 EZ Flow 62374 GE/Hot Point WG37X11 WG37X34 Giant PV 526000125 FC067 626000025 GMO 20834 Goodman/Janitrol B1193939 B11726-06 B1401009 Grimsby Stove ZCO-350 John Woods/ GSW PV 86483 71082 HB Smith 50018	John Woods/ GSW PV. 86483 H.B. Smith 50018 Hupp Ind 9050 Raypak 600915 Snyder General 1009980 1096048 1009604 1001344 1380680 1148145 1096047 1380654 1380672 1148245 Integra 6905332 3260618 Johnstone L37-698 L37-699 L37-700 L37-812 L37-814 L37-815 L37-816 L40-765	LB White Co 120-07549 Lennox 33J3701 96P01 36N77 98P77 98P78 Majestic 75-92-104 75-92-105 Metzger 201N 201W 201A 3200618 Nordyne/Tappan Frigidaire/Philco 201 Intertherm/Miller 903758 105141000 RH622286893 Nordyne/Tappan Frigidaire/Philco Intertherm/Miller 632-0770 632-0880 632245-0 902661 902694 903758 632-3811 632-3540	Norton 101M 201D 201K 201L 201M 201P 201W 271M 271N 271R 271RS 271W 201A 271A 201R 201 271 271NM Olsen 26789 Raypak 600915 Rheem 62-22441-01 62-22668-93 62-212868-82 62-22868-02 90434300	Roberts Gordon 90436600 Robertshaw/ Uniline 41-402 41-403 41-404 41-405 41-407 41-408 41-409 41-410 41-1090 41-402N 41-403N 41-404N 41-405N 41-407N 41-408N 41-409N 41-410N 41-412N Starlite 50015 11120-100-1402 11120-100-1403 11120-100-1405 11120-100-1407 11120-100-1408 11120-100-1409	Surface Igniter FC007 FC024 FC035 FC046 FC050 FC051 FC055 Superior Fireplace 94851 Temp Controls 9302-094 Trane 3400339P01 B340039P01 B12996P01 B144676P01 B144676P02 B138196P01 IGN21 IGN26 IGN28 IGN30 IGN34	Trianco Heatmaker 2600-359 Viessmann 9302-093 9302-094 Wayne Home Equip 62821-001 Weil McLain 29074 511-330-139 511-330-193 511-330-190 Whirlpool 99794323 99794328
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SN402 Universal Silicon Nitride

Amana 10735002 10755002 B138196P01 B144676P02 B340039P01 B144676P01 American Appliance 271B American Standard IGN0030 American Water Heater 6905032 Arcoaire See ICP Armstrong 38322B001 38322B001 Barnett Brass 661924 661927 661928 Carrier LH33ZS001A LH33ZS002 LH33ZS003 LH33ZS004 Clare Bros C238 C238-1 C242 Coleman/Evcon 14740511 14740512	Detroit/Brant Radiant 14740512 201D DMO/Olsen/ECR Ind 20834 Dornback 271W Ducane 20015201 Enerco Tech 10399 EZ Flow 62374 GE/Hot Point WG37X11 WG37X34 Giant PV 526000125 526000025 GMO Industries 20834 Goodman/Janitrol B1172606 B1193939 B1401009 Grimsby Stove ZCO-350 John Woods/ GSW PV 86483 71082 HB Smith 50018 9050	HB Smith 101344 1148245 Hupp Ind 9050 ICP/Heil/ Arcoaire/ Keeprite Comfortmaker/ Tempstar Snyder General 1009980 1096048 1009604 1001344 1380680 1148145 1096047 1380654 1380672 1148245 Integra 6905032 3260618 Johnstone L37-698 L37-699 L37-700 L37-812 L37-814 L37-816 120-07549	Lennox 33J3701 96P01 36N77 98P77 98P78 Majestic 75-92-104 75-92-105 75-92-104 95-92-105 Mars 67930 Metzger 201N 201W 201 271 Mor-Flo 271NM Olsen 26789 Raypak 600915 Rheem/Rudd 62-22868-93 62-22441-01 62-22868-82 Roberts Gordon 90434300 90436600	Norton 201L 201M 201P 201W 271M 271N 271P 271RS 271W 201A 271A 201R 201 271 271NM Olsen 26789 Raypak 600915 Rheem/Rudd 62-22868-93 62-22441-01 62-22868-82 Roberts Gordon 90434300 90436600	Robertshaw/ Uniline 41-238 41-242 41-402 41-403 41-404 41-405 41-407 41-408 41-409 41-410 41-412 41-1090 41-402N 41-403N 41-404N 41-405N 41-407N 41-408N 41-409N 41-410N 41-412N Surface Igniter FC007 FC011 FC014 FC018 FC020 FC021 FC022 FC023 FC024 FC025 FC027	Surface Igniter FC028 FC029 FC030 FC032 FC034 FC035 FC037 FC040 FC041 FC045 FC046 FC048 FC050 FC051 Starlite 11120-100-1402 11120-100-1403 11120-100-1405 11120-100-1407 11120-100-1408 11120-100-1409 Superior Fireplace 94851 Temp Controls 9302-094 Trane 3400339P01 B340039P01 B12996P01 B144676P01 B144676P02 B138196P01 IGN21 IGN26	Trane IGN28 IGN30 IGN34 B144676P01 B144676P02 B138196P01 IGN21 IGN23 IGN26 IGN28 IGN30 IGN34 Trianco Heatmaker 2600-359 Viessmann 9302-093 9302-094 Wayne Home Equipment 62821-001 62821-002 Weil McLain 29074 511-330-139 511-330-193 511-330-190 Whirlpool 99794323 99794328 White LB Co 120-07549	White Rodgers 767A-301 767A-303 767A-306 767A-309 767A-350 767A-352 767A-353 767A-354 767A-356 767A-364 767A-365 767A-366 767A-370 767A-371 767A-372 Williamson 9050 York 025-32626-000 473-12509-001 373-09154-700 025-27774-000 025-29043-000 025-29050-000 025-27766-000 025-30277-000 025-32638-002 025-32625-000 025-31801-000 373-05342-700 025-27766-000
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CM067 Universal Silicon Nitride

Bramec Item # 41801

American Appliance 271B American Road Equip 201W Arcoaire 1096048 Carrier Corp 1380680 Armstrong Air 38322B001 Carlin 87197S LH33ZS001A LH33ZS002 Claire Brothers C238 C242 Coleman 1474-051 174-052	Comfortmaker 1096048 Comfort Zone 150114-04-01 Detroit Radiator 201D 20015201 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 3200618 Igniters Direct HSIURK120V FC007 LB White 120-07549 Majestic 75-92-104 75-92-105	Mars 67930 67931 67932 Metzger 201W Mor Flo 3200618 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 Schwank 108803-G1 Raypak 600915 Rheem 62821-001 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	Robertshaw 41-409, 41-410, 41-411 41-412, 41-413, 41-414 Snyder General Tempstar 380654 1380672 1380680 Superior Fireplace 94851 Tempstar 1096048 1148245 Trane 340039P01, B138196P01 B144676P01, B144676P02 B340039P01, IGN21 IGN23, IGN26, IGN30, IGN34 Viessmann 9302-094	Wayne Home Equip 62-22441-01 62-22441-02 Weil McLain 511-330-139 511-330-190 511-330-193 White LB Co 120-07549 White Rodgers 21D64-2 767A-301 767A-303 737A-306 767A-310 767A-311 767A-350 767A-353 767A-354 767A-357	White Rodgers 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	Williamson 9050 York Intl 025-27766-000 025-27774-000 373-05342-700 025-29043-000 025-29050-000 025-32625-000 025-32626-000 025-33241-000 373-05342-700 473-12509-001
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MM643 Universal

Silicon Nitride (24V)

Used In	Replaces Flame
Honeywell	Rod Assemblies
Smart Valves™	1009524
SV9500	1149856
SV9500M2603	42640001
SV9500M2674	Q3400A
SV9500M2682	Q3400A1016
SV9501M2528	Q3400A1024
SV9600	Q3400A1040
SV9600H	Q3450
SV9401	Q3480
Used In	Q3620
Honeywell	Mars
Smart Valves™	68012
SV9402	Igniters Direct
SV9403	AFN643
SV9501	
SV9502	
SV9503	
SV9601	
SV9602	

SN070 Direct Replacement Silicon Nitride

Goodman/Janitrol
0230K00001
Johnstone
Supply L40-068

SIC
SN070

DS402 Flat Universal Silicon Carbide

41402

Am. Road Equip	Majestic	Rheem	Trane Company
201W	75-92-104	62-22441-01	340039P01
Armstrong Air	75-92-105	62-22868-02	B144676P01
38322B001	Mars	62-22868-82	B340039P01
Claire Brothers	67915	62-22868-93	IGN23
C-238	67919	Roberts Gordon	IGN34
C-242	68013	90436600	Wayne Home Equip.
Coleman	68016	Robertshaw	62821-001
1474-051	97915	41-402	62821-002
1474-052	Metzger	41-402	White LB Company
DMO Industries	201N	41-408	120-07549
20834	201W	41-410	White Rodgers
26789	Mor Flo	41-411	767A-357
Dornback Furnace	3200618	Starlite	767A-371
271 W	Nordyne	1408, 1410	767A-372
Enerco Tech	105141000	1056, 1066	Williamson
10399	632-0770	Starlite	9050
Evcon	632-0880	1402, 1033	
1474-051	201K, 201L	Superior	
1474-052	201R, 201W	Fireplace	
HUPP Industries	271M, 271N	94851	
9050	271W		

DS403 Flat Universal Silicon Carbide

41403

Carrier Corp	Norton	Snyder General	Weil McLain
LH33ZS001A	201, 271	1380654	511-330-139
LH33ZS002	Raypak	1380672	511-330-190
LH33ZS003	600915	1380680	511-330-193
LH33ZS004	Roberts Gordon	Starlite	White
Ducane	90434300	1403, 1407, 1409	Rodgers
20015201	Robertshaw	Trane Company	767A-356
Mars	41-403	B138196P01	767A-357
67916, 67918	41-404	B144676P02	767A-361
67920	41-407	IGN26, IGN30	767A-365
	41-409		767A-370

FC067 Round Universal Silicon Carbide

Amana	Lennox	Robertshaw	White Rodgers
10735002	33J3701	41-238	767A-353
Armstrong	Majestic	41-242	767A-354
38322B001	75-92-104	41-402	767A-357
Clare Bros.	75-92-105	41-403	767A-361
C238	Metzger	41-404	767A-364
C238-1	201N	41-405	767A-365
Coleman/Evcon	201W	41-407	767A-366
14740511	Mor-Flo	41-408	767A-370
14740512	3200618	Superior	767A-371
Detroit/Brant Radiant	Nordyne: Tappan/	Fireplace	767A-372
201D	Frigidaire/ Philco/	Surface	Williamson
DMO/Olsen/ ECR Ind.	Intertherm/ Miller	Igniter	York
26789	903110	Igniter	025-32626-000
20834	105141000	FC007	473-12509-001
Dornback	RH622286893	FC024	373-09154-700
271W	632-0770	FC035	025-27774-000
Ducane	632-0880	FC046	025-29043-000
20015201	902661	FC050	025-29050-000
Enerco Tech.	902694	FC051	025-27766-000
10399	903758	Trane	025-30277-000
Giant P.V.	632-3811	3400339P01	025-32625-000
526000125	632-3540	B340039P01	025-31801-000
526000025	Norton	B12996P01	373-05342-700
Goodman/Janitrol	101M	B144676P01	
B1172606	201D	B144676P02	
B1193939	201K	B138196P01	
Grimsby Stove	201L	IGN21	
ZCO-350	201M	IGN23	
John Woods/ GSW P.V.	201P	IGN26	
86483	201W	IGN28	
H.B. Smith	271D	IGN30	
50018	271M	IGN34	
Hupp Ind	271N	Viessmann	
9050	271P	9302-093	
Icp: Heil/Arco Air	271RS	9302-094	
Comfortmaker/	271W	Wayne Home Equip.	
Tempstar/Keeprite	Raypak	62821-001	
1096048	600915	62821-002	
1009604	Rheem Rudd	Weil McLain	
1001344	62-22868-93	29074	
1380680	62-22441-01	511-330-139	
1148245	62-22868-82	511-330-193	
Integra	Roberts-Gordon	White Rodgers	
6905032	90434300	41-409	
3260618	90436600	41-410	
Johnstone	41-409	41-410	
L37-699	41-410	41-1090	
L37-700			
L37-812			
L37-814			
Johnstone			
L37-815			
L37-816			
L.B. White Co			
120-07549			

DS001 Flat Universal Silicon Carbide

41109

Amana	John Woods/	Lennox	Superior	York	Robertshaw/
10735002	GSW P.V.	33J3701	Fireplace	025-32626-000	Uniline
Arco Air	86483	Majestic	94851	473-12509-001	41-238
See ICP	H.B. Smith	75-92-104	Trane	373-09154-700	41-242
Armstrong	50018	75-92-105	3400339P01	025-27774-000	41-402
38322B001	Hupp Ind	Metzger	B340039P01	025-29043-000	41-403
Clare Bros.	9050	201N	B12996P01	025-29050-000	41-404
C238	Raypak	201W	B144676P01	025-27766-000	41-405
C238-1	600915	Mor-Flo	B144676P02	025-30277-000	41-407
Coleman/Evcon	Icp/Heil/	3200618	B138196P01	025-32638-002	41-408
14740511	Arco Air	Nordyne/Tappan	IGN21	025-32625-000	41-409
14740512	Comfortmaker	Frigidaire/Philco	IGN23	025-31801-000	41-410
Detroit/	Tempstar	Intertherm/Miller	IGN26	373-05342-700	41-412
Brant Radiant	Keeprite	903110	IGN28	Norton	41-414
201D	1009604	105141000	IGN30	101M	41-1090
DMO/Olsen	1096047	RH622286893	IGN34	201D	White
ECR Ind.	1096048	632-0770	Viessmann	201K	Rodgers
26789	1001344	632-0880	9302-093	201L	767A-301
20834	1380680	902661	9302-094	201M	767A-303
Dornback	1148245	902694	Wayne Home	201P	767A-306
271W	Integra	903758	Equipment	201W	767A-310
Ducane	6905032	632-3811	62821-001	271D	767A-311
20015201	3260618	632-3540	62821-002	271M	767A-350
Enerco Tech.	Johnstone	Rheem Rudd	Weil McLain	271N	767A-353
10399	L37-699	62-22868-93	29074	271P	767A-354
Goodman/	L37-700	62-22441-01	511-330-139	271R	767A-357
Janitrol	L37-812	62-22868-82	511-330-193	271RS	767A-361
B1172606	L37-814	Roberts-Gordon	511-330-190	271W	767A-364
B1193939	L37-815	90434300	Williamson	271NM	767A-365
B1401009	L37-816	90436600	09050		767A-366
B1401015	L.B. White Co				767A-370
B1401018	120-07549				767A-371
					767A-372

DS401 Flat Silicon Carbide 41401

Robertshaw
41-401
Amana
B1336102
BD99182
10041601
Mars
67914
Norton
201A
271A
MB258909
Starlite
1401
41-401
Tranco-Heatmaker
2400-048
2400-286
2600-359
3079-100
9330-102
Johnstone
L37-698
White Rodgers
767A309
767A352
767A356
767A369

DS408 Flat 41408

Silicon Carbide

Robertshaw
41-408
Amana
B340039P01
Johnstone
L37-815
Norton
271N
MB457025
MB478266
Rheem
62-22441-01
62-22668-93
Starlite
1408
Trane
IGN34
White Rodgers
767A372

DS411 Flat 41411

Silicon Carbide

Robertshaw	Rheem
41-411	62-22868-82
Norton	White Rodgers
271N	767A383

DS404 Flat 41404

Robertshaw
41-404
Norton
271M
MB258912
MB478265
Weil McLain
511-330-190
White Rodgers
767A382

DS409 Flat 41409

Silicon Carbide

Robertshaw
41-409
Carrier
LH33ZS001A
LH33ZS002
LH33ZS003
LH33ZS004
Ducane
20015201
Johnstone
L37-816
Norton
201
271
MB457555
Raypak
600915
Rheem
90434300
Roberts Gordon
90436600
Starlite
1409
Snyder General
1380654
1380672
1380680
Trane
B138196P01
IGN26
IGN30
Weil McLain
511-330-139
511-330-193
White Rodgers
767A370

DS414 Flat 41414

Silicon Carbide

Robertshaw	Mars
41-414	68014
Arcoaire/Comfortmaker/	Norton
Heil/ICP/Tempstar	271NM
1096048, 1380680	White Rodgers
Goodman	767A384
B14010-18	

DS405 Flat 41405

Robertshaw
41-405
Detroit Radiant
201D
Mars
67917
Norton
201D
271P
HB Smith
50018
101344
1148245
Heil Quaker
1001344
Johnstone
L37-812
Norton
201D
271D
271P
MB457026
MB478627
Starlite
1405
Viessman
9302094
White Rodgers
767A361
York
International
025-27766-000
025-27774-000
025-29043-000
025-29050-000

DS410 Flat 41410

Silicon Carbide

Robertshaw
41-410
Amana
B144676P01
Norton
271N
MB457551
MB478270
Trane
B144676P01
White Rodgers
767A377

DS406 Flat 41406

Robertshaw
41-406
American Appliance
271B
American Water Heater
6901800
6903767
6901800
6903767
6903768
Comfort Zone
150114-04-01
Glowcore
1950001
HSRK7
FY009
Johnstone
L37-813
Lochinvar
LCVT27021G
PLT2702
Mars
67925
Mor Flo
32005080
3210401
Norton
201B
201J
201M
201N
201Y
271M
271Y
MB457027
MB478601
Perfection Swank
108803-G1
Starlite
1406
Weil McLain
511-330-188
White Rodgers
767A374

DS412 Flat 41412

Silicon Carbide

Robertshaw
41-412
EZ Flow
62374
Goodman
B1401009
B1401018
GSW
71082
86483
Heil Quaker/ICP
1009604
1096048
1096047
Mars
68014
Norton
271NM
MB458902