



BASO Gas Products LLC

BGH2UNCNTRLHT-01 Universal Hot Surface Ignition Control

Description

The BGH Series Universal Hot Surface Ignition Control is a microprocessor-based ignition with timed ignition sequences and suited for replacement as well as new applications. The Hot Surface Ignition controls can be used for agricultural equipment, space heaters, furnaces, residential/commercial boilers, water heaters, pool and spa heaters and a variety of commercial cooking equipment. This ignition control includes a 5-position DIP switch allowing up to 32 programmable predefined timing selections to retrofit other hot surface ignitions with flame sensing rectification, such as Johnson Controls, Honeywell, White-Rodgers, Fenwal and Robertshaw. The control provides continuous and precise monitoring for the hot surface element, wiring and gas valve and will shut down in the event of a failure. The BGH Series Universal Hot Surface Ignition operates with no rod integral or single rod remote sensing to prove flame.



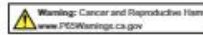
Warranty

- One year

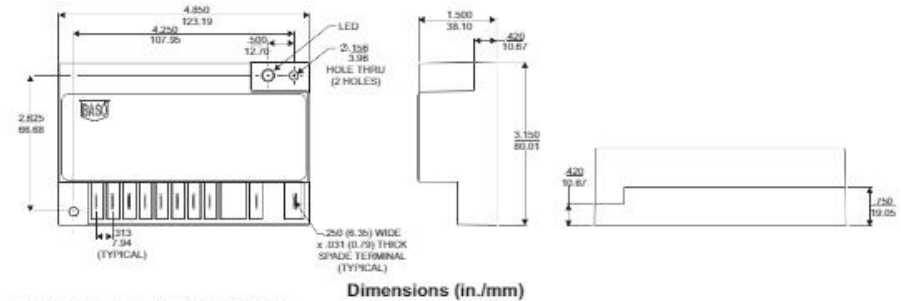
Agency Listing

- CSA (AGA/CGA) Certificate number 246569-2213607

Replacement Chart:



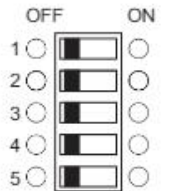
Johnson Controls				
	G750BFB-1		G750EVB-1	
Robertshaw				
HS780-17NL-104A	HS780-17NL-308A	HS780-34NR-104A	HS780-34NL-306A	HS780-34NR-306A
HS780-17NR-104A	HS780-17NR-306A	HS780-34NL-108A	HS780-34NL-308A	HS780-34NR-308A
HS780-17NL-108A	HS780-17NR-308A	HS780-34NL-304A	HS780-34NL-312A	HS780-34NR-312A
HS780-17NL-304A				
Fenwal				
05-356225-051	05-356225-055	05-356225-154	05-356265-151	05-356265-053
05-356225-052	05-356225-151	05-356225-155	05-356265-152	05-356265-054
05-356225-053	05-356225-152	05-356265-051	05-356265-153	05-356265-055
05-356225-054	05-356225-153	05-356265-052	05-356265-154	
Honeywell				
8910U	S89C1103	S89G1047	S890C1007	S890G1037
S8910U	S89D1002	S89H1003	S890D1006	S890H1002
S89C1004	S89G1005	S89H1011	S890G1003	S890H1010
S89C1012	S89G1013	S89H1029	S890G1011	S890H1028
S89C1046	S89G1021	S89J1008	S890G1029	
White-Rodgers				
50E47-1 to -9	50E47-150 to -159	50E47-320 to -329	50F47-70 to -79	50F47-240 to -249
50E47-10 to -19	50E47-160 to -169	50E47-330 to -339	50F47-101 to -109	50F47-250 to -259
50E47-20 to -29	50E47-170 to -179	50E47-340 to -349	50F47-110 to -119	50F47-260 to -269
50E47-30 to -39	50E47-201 to -209	50E47-350 to -359	50F47-120 to -129	50F47-270 to -279
50E47-40 to -49	50E47-210 to -219	50E47-360 to -369	50F47-130 to -139	50F47-301 to -309
50E47-50 to -59	50E47-220 to -229	50E47-370 to -379	50F47-140 to -149	50F47-310 to -319
50E47-60 to -69	50E47-230 to -239	50F47-1 to -9	50F47-150 to -159	50F47-320 to -329
50E47-70 to -79	50E47-240 to -249	50F47-10 to -19	50F47-160 to -169	50F47-330 to -339
50E47-101 to -109	50E47-250 to -259	50F47-20 to -29	50F47-170 to -179	50F47-340 to -349
50E47-110 to -119	50E47-260 to -269	50F47-30 to -39	50F47-201 to -209	50F47-350 to -359
50E47-120 to -129	50E47-270 to -279	50F47-40 to -49	50F47-210 to -219	50F47-360 to -369
50E47-130 to -139	50E47-301 to -309	50F47-50 to -59	50F47-220 to -229	50F47-370 to -379
50E47-140 to -149	50E47-310 to -319	50F47-60 to -69	50F47-230 to -239	



Dimensions (in./mm)

Parameters/Dip Switch Settings

5-Position Dip Switch Settings		HSIC Parameters			
ON	OFF	*Warm-Up Seconds	Pre-Purge Seconds	Between Trials Seconds	Trial for Ignition Seconds
None	1, 2, 3, 4, 5	45	30	90	3 @ 7
5	1, 2, 3, 4	17	30	90	3 @ 7
4	1, 2, 3, 5	45	17	77	3 @ 7
4, 5	1, 2, 3	17	17	77	3 @ 7
3	1, 2, 4, 5	45	0	60	3 @ 7
3, 5	1, 2, 4	17	0	60	3 @ 7
3, 4	1, 2, 5	34	32	96	3 @ 7
3, 4, 5	1, 2	34	0	0	3 @ 7
2	1, 3, 4, 5	45	30	0	1 @ 7
2, 5	1, 3, 4	17	30	0	1 @ 7
2, 4	1, 3, 5	45	17	0	1 @ 7
2, 4, 5	1, 3	17	17	0	1 @ 7
2, 3	1, 4, 5	45	0	0	1 @ 7
2, 3, 5	1, 4	17	0	0	1 @ 7
2, 3, 4	1, 5	34	32	0	1 @ 7
2, 3, 4, 5	1	34	0	0	1 @ 7
1	2, 3, 4, 5	45	30	90	3 @ 4
1, 5	2, 3, 4	17	30	90	3 @ 4
1, 4	2, 3, 5	45	17	77	3 @ 4
1, 4, 5	2, 3	17	17	77	3 @ 4
1, 3	2, 4, 5	45	0	60	3 @ 4
1, 3, 5	2, 4	17	0	60	3 @ 4
1, 3, 4	2, 5	34	32	96	3 @ 4
1, 3, 4, 5	2	34	0	0	3 @ 4
1, 2	3, 4, 5	45	30	0	1 @ 4
1, 2, 5	3, 4	17	30	0	1 @ 4
1, 2, 4	3, 5	45	17	0	1 @ 4
1, 2, 4, 5	3	17	17	0	1 @ 4
1, 2, 3	4, 5	45	0	0	1 @ 4
1, 2, 3, 5	4	17	0	0	1 @ 4
1, 2, 3, 4	5	34	32	0	1 @ 4
1, 2, 3, 4, 5	None	34	0	0	1 @ 4



5-Position Dip Switch
Switch settings shown with all 5 switches in the OFF position.

* Warm-up time is timed ignition.

Note: For specific timing requirements, call BASO Gas Products.