



120V 0+1 REIGNITOR MODULE



The Robertshaw 0+1 is a reignition spark module designed for surface burners.

Features and Benefits

- Senses burner flame and automatically sparks to the burner when no flame is present
- Rated for 3 million typical spark cycles at 221°F (105°C)
- Conformal coated PCB
- Robust Valox 420 SEO plastic housing and base
- CSA agency certified ANSI Z21.92

Performance Specifications

LINE VOLTAGE/FREQUENCY

- Low: 102V AC
- Nominal: 120V AC
- High: 132V AC
- Frequency: 60 Hz +/- 2 Hz

SPARK VOLTAGE PARAMETERS

- High voltage output (no spark probe): 15 KV with 50 pf load
- Spark probe gap: 0.125 +/- 0.015 (3.18 +/- 0.381mm)
- Spark rate: 3.7 to 4.7 Hz @ 120V AC/60 Hz
- Spark establishment time: 1 second maximum
- Spark life: 3,000,000 sparks typical

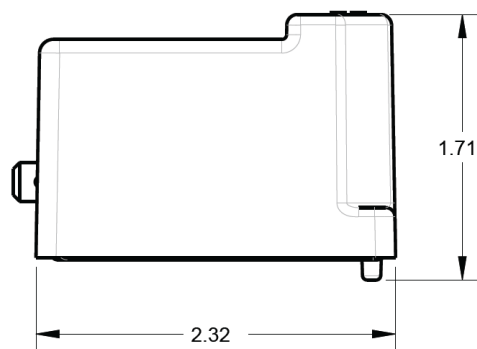
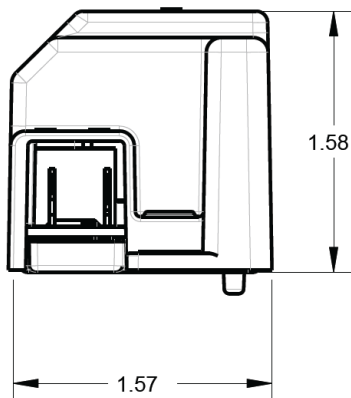
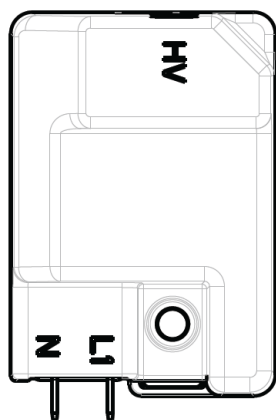
FLAME DETECTION PARAMETERS

- Method: flame rectification using spark probe
- Minimum flame current detected: 0.3 uA
- Initial flame ignition time: 1.5 seconds +/- .5 seconds
- Flame reignition time: 1.5 seconds +/- .5 seconds

ENVIRONMENTAL

- Operating temperature: 50°F to 221°F (10°C to 105°C)
- Operating humidity: 5% to 95% RH non-condensing
- Storage temperature: 131°F to 221°F (-55°C to 105°C)

PRODUCT DIMENSIONS



TERMINALS

AC input terminals are poke-yoke to insure proper operation on module.

TERMINAL DESIGNATOR	DESCRIPTION	SIGNAL
P2	0.250 right angle tab terminal	L1 – 120V AC
P3	0.187 right angle tab terminal	Neutral
Solder Foil Ring	Circular foil ring on PC board. This in conjunction with a metal bushing in the plastic housing bottom provides earth ground connection when screwed to metal chassis.	Earth Ground
High Voltage Tab Terminal	0.110 Right Angle Table Terminal on transformer	High Voltage Output