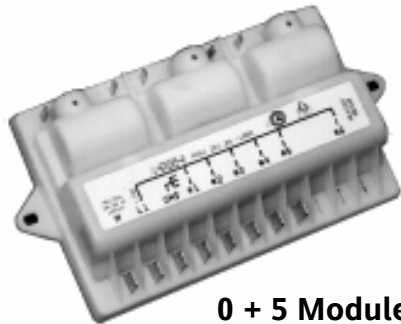


Electronic Spark Ignition Modules Spark Reignition



0 + 4 Module



0 + 5 Module

Invensys solid state electronic spark ignition modules are designed to provide spark ignition at single or multiple top burners or oven burners on gas ranges, cooktops, or wall ovens. They offer distinctly improved performance over other spark ignition modules.

“Ignition on first spark” capability is made possible by an engineered combination of extremely high voltage output, slow spark rate, optimized flame delay and spark delay at burner turn-on. This ignition capability has been developed using the most popular sealed burner designs in the industry. Immediate ignition permits a much slower spark rate, which reduces repetitious audible noise when igniting a burner or an oven.

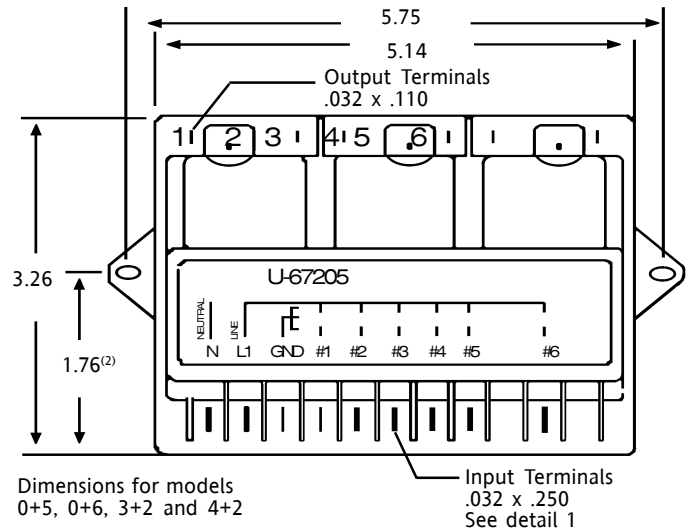
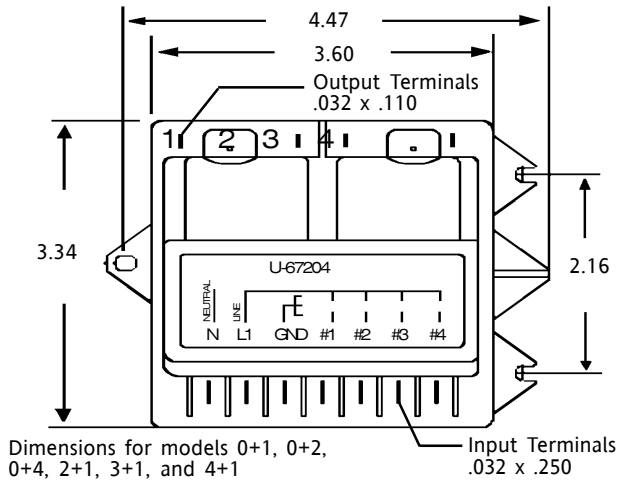
Spark energy available at each burner is typically greater than 15 millijoules. With the large variation in burner spark gap distances experienced by range manufacturers today, this higher energy level guarantees that spark miss will not occur. This combination of higher energy ignition with the newer available types of electrode wiring permits the user to maintain or improve upon current spark system performance.

Also, as burner electrodes become contaminated or deteriorate from use, the higher available energy provides a higher level of continued ignition performance to overcome age-deterioration in other burner ignition components. This design has resulted in high customer satisfaction, especially in the area of field service call rates and warranty claims, which are substantially lower with this new Invensys design.

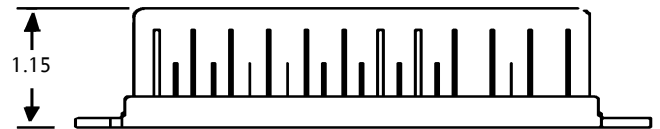
Module Function Chart 1

Model	Module (No. of electrodes) Function	Operation Capability
U-67201	4+1, 2+1	4/2 top burners, 1 flame sensed oven
U-67202	0+1, 0+2	1 or 2 flame sensed outputs
U-67203	4+2, 3+2	4/3 top burners, 2/3 flame sensed oven broil
U-67204	0+4	4 flame sensed top burners
U-67205	0+5, 0+6	5/6 flames sensed burners (any combination of top/oven burner)
U-67331	3+1	Up to 6 top burners, 1 flame sensed oven

Dimensions (in inches)



Detail 1



Features

- Operation is at a higher temperature, with an AGA/CGA continuous rating of 120°C.
- Operation uses increased burner electrode gap distances of up to 0.160" each.
- RFI noise is very low for increased compatibility with other "on range" electronic products.
- Re-ignition time delays and spark rates are optimized to minimize nuisance sparking.
- Performance is maintained in high-humidity conditions.
- Flame-sensing technique is of the flame-rectification type.
- Mounting style is made to accommodate the most popular industry mounting configurations.

Specifications

- Spark energy available at each burner:
typically greater than 15 millijoules
- Operating temperature:
AGA/CGA continuous rating of 120°C
- Burner electrode gap distances: Up to 0.160" each
- Fully potted to meet UL 94:VO ratings

Options

- Different models are offered in various combinations of burners, including flame-sensing and nonflame-sensing.
- From 1 to 6 high-voltage outputs can be provided using two sizes of housing dimensions.
- There are presently ten available models for 120VAC and 230VAC, 50/60HZ, as listed with the dimensions.