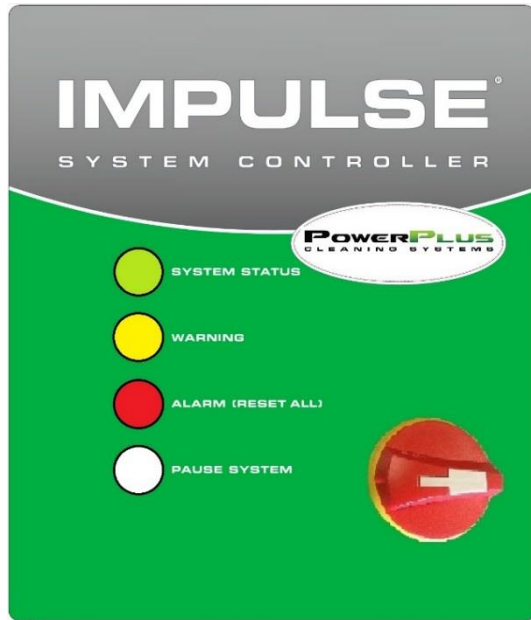




## Controller Data Sheet



### FEATURES INCLUDE:

- Solid state components provide greater reliability and allow for easy repair.
- Ability to monitor gas and airline pressures.
- Very robust multi-spark ignition system.
- Rotary Disconnect Safety Closure (Lock/Tagout)
- UL Documentation

### IGNITER MODULE SPECIFICATIONS

#### Controller Assembly:

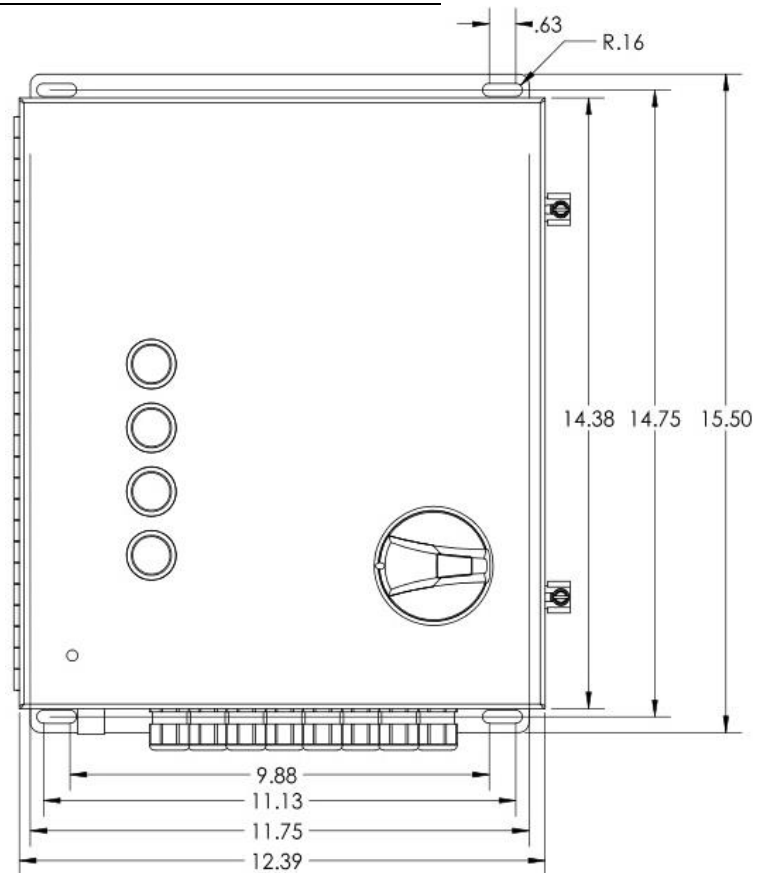
Dimensions .....16" x 12" x 8" (40.6 cm x 30.5 cm x 20.3 cm)  
 Weight .....25 lb. (11.4 kg)  
 Input Voltage ..... 120/240 VAC  
 Input Frequency..... 50/60 Hz  
 Input Current ..... 0.9 Amps @ 240 VAC / 1.8 Amps @ 120 VAC

#### General:

Controller Operating Temperature Maximum ..... 158°F (70°C)  
 Controller Operating Humidity Maximum..... 90% Relative Humidity, non-condensing  
 Controller Operating Altitude Range ..... 0-9842 ft. (0-3000 m)  
 Storage Temperature Range.....-68°F to 122°F (-20°C to 50°C)  
 Storage Humidity Range ..... 20-50% Relative Humidity, non-condensing  
 Storage Altitude Range ..... 0-9842 ft. (0-3000 m)

- The IMPULSE Cleaner Controller may be wall-mounted or a mounting bracket (not supplied) may be used.

1. Determine the best location for the controller and mark the location of the holes.
2. Drill 4 holes to mount the controller.
3. Position the controller and mount it using appropriate hardware.



## Installation Requirements

### Location Requirements

When installing the IMPULSE Cleaner Controller, please keep the following location requirements in mind:

- The NEMA 4-rated box should not be installed in direct sunlight and should not be subject to temperatures above 110°F (43°C).
- The IMPULSE Cleaner Controller must be installed close enough for the factory-installed spark lead to reach the igniter on the IMPULSE Cleaner.
- The IMPULSE Cleaner Controller should be installed in close proximity to a customer-supplied, dedicated circuit breaker.

### IMPULSE Cleaner Connections

There are five basic connections that will be made at the IMPULSE cleaner: ignition connection, fuel solenoid valve connection, air valve connection, feedback sensor connection, and auxiliary connection. For all field connections, please refer to the drawings shipped with the control for important notes, wire specifications, and installation instructions.