



## ELECTRONIC IGNITORS

### INSTRUCTION MANUAL for MODELS: 2260-TP | 2260-TPLP | 2260-TW | 2260-TWLP | 2260-P | 2260-TPLPJB

#### **1. Introduction**

This instruction manual provides you with application information on the 2260 series of electronic ignitors. These devices are designed for **CONSTANT DUTY** and provide the most reliable ignition source for commercial/industrial gas applications. **Before proceeding identify the model you are installing by the mechanical specifications on reverse side.**

#### **2. Absolute Maximum Ratings**

Input Supply Voltage (V):	108 to 132
Input Supply Frequency (Hz):	50/60
Primary Volt - Amperes (VA):	72
Secondary Voltage (kV peak):	15.6
Secondary Frequency (kHz):	>20
Secondary Short Circuit Current (mA):	28
Storage Temperature (°C):	-40 to +80
Operating Temperature (°C):	-30 to +40
Operating Relative Humidity (%):	90
Loading Air Gap (inches):	1/16 - 1/8

#### **3. Installation**

a) Install the ignitor assembly on the burner and route the primary leads to the junction box or control panel for connection.

**Primary cord sets:** Models 2260-TP, 2260-P, and 2260-TPLP are shipped with primary plug set. Model 2260-TW has traditional bottom exit pigtails and optional knockouts on case bottom for routing of primary wire to junction box.

**Mounting:** Model 2260-P is mounted through the case and via ground tab. Models 2260-TW, 2260-TP, and 2260-TPLP are mounted using the ears/tabs on side of case. Model 2260TPLPJB includes an integrated junction box.

***Connect leads as required by wiring method described in control instruction manual or by specific application requirements.***

#### **4. Maintenance**

These ignitors have no moving parts. The only maintenance required is the cleaning of the primary and secondary connections with a soft cloth during the annual system inspection.

#### **5. Testing**

##### **WARNING**

***This procedure is to be carried out by qualified personnel ONLY.***

**The voltages and currents available can cause serious injury and/or death. Extreme caution is to be used to avoid contact with the primary live leads. Do not allow any parts of your body to come closer than 5 inches to the energized secondary terminals or parts of the secondary circuit. Ensure the transformer is grounded before energizing the primary.**

The 2260 Ignitors can be tested as follows to ensure that they are operating properly.

##### **a) Short Circuit Current Test.**

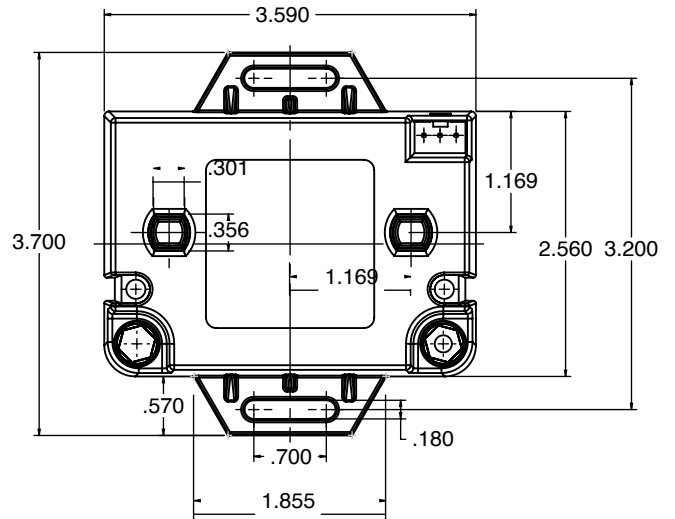
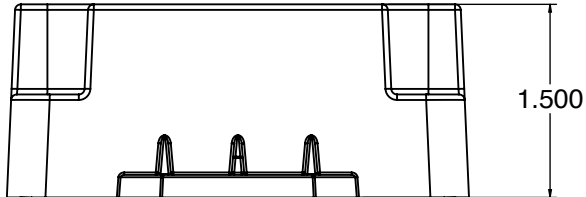
Route one connection on a true RMS high frequency milliammeter to the output terminal and the second connection to ground. Energize the primary with 120 Volts at 50/60 Hz. The reading on the milliammeter should be within -15% +10% of the rated.

##### **b) Field Testing.**

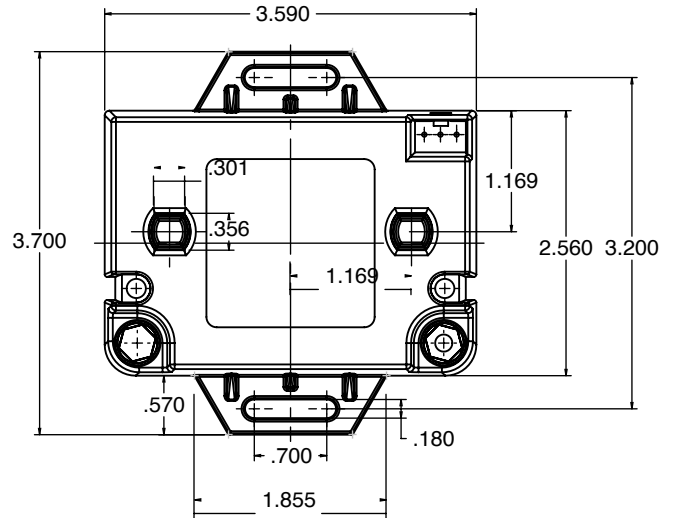
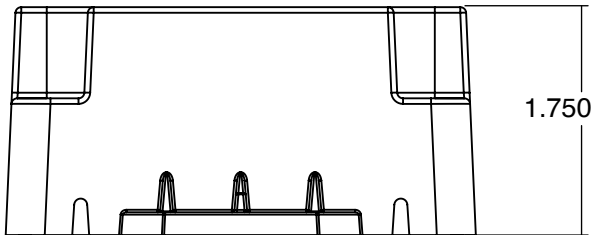
Allanson's Chek-Mate™ Ignitor / Transformer Tester can be used to test the 15kVpk Ignitor. You will require a set of 2 alligator clips - order Allanson's Chek-Mate accessory kit part #SC-2200-Kit. Ensure unit is grounded and powered OFF before proceeding. Jump out oper. controls or thermostat/aquastat. Route 1 alligator clip from sphere on Chek-Mate to secondary wire, and second alligator clip to run from sphere on Chek-Mate to ground. Power on burner and if green led lights (no more than 3 seconds) unit is good.

## 6. Mechanical Specifications Model 2260-TP | 2260-TPLP | 2260-TW | 2260-TWLP

2260-TP  
2260-TPLP

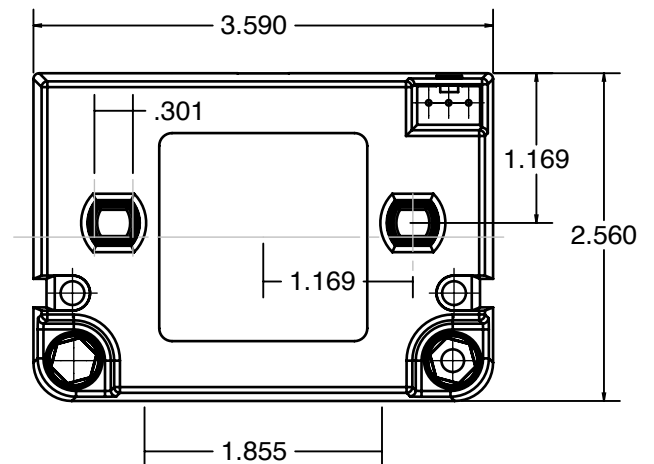
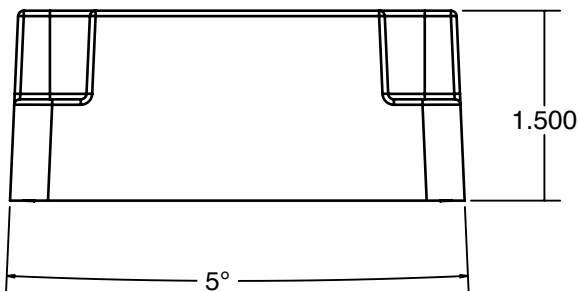


2260-TW  
2260-TWLP



## 7. Mechanical Specifications Model 2260-P

2260-P



## 8. Mechanical Specifications Model 2260-TPLPJB

2260-TPLPJB

