

*CheK-Mate™ is not designed for exposure to moisture. Should your Chek-Mate™ become exposed to moisture please discontinue use.*

Ensure your hands are dry before using Chek-Mate™.

Allanson recommends each test lasts no longer than 3-5 seconds. If LED does not light in this time transformer/ignitor should be replaced.

### **Warranty Information for Chek-Mate™**

Chek-Mate™ is warrantied for 90 days.

Allanson agrees to correct any defects in material or workmanship which may develop in any Chek-Mate™ sold, when used under proper or normal conditions, during a period of 90 days from date of purchase. (Confirmed by receipt).

This warranty does not include shipping costs to and from the factory. This correction shall fulfill completely any and all obligations by Allanson intended or implied in this warranty. Allanson shall not be responsible for consequential damage or for labour involved in making replacement.

Warranty void if unit has been opened.



# **Chek-Mate™**

## **INSTRUCTION MANUAL**



**Phone: 877-264-8444**

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**Web: [www.allanson.com](http://www.allanson.com)**



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# Chek-Mate™

## Instructions

Before proceeding with the Chek-Mate™ testing procedure, ensure that the following checklist of conditions have been met;

-transformer/ignitor is properly wired

-primary power is present and at proper operating voltage (120V)

-ensure transformer/ignitor is properly grounded

Ensure transformer/ignitor is properly wired to primary control.

Transformer/ignitor should be wired as follows:

Interrupted Duty Control = white to white, blue to blue

Constant Duty Control = white to white and blue to orange

*If the above “Cheks” out, proceed with using Chek-Mate™ to determine if the transformer and/or ignitor is good.*

### **Warning: High Voltage present!**

Before proceeding, when holding Chek-Mate™, ensure your hands are placed at bottom of instrument and far away from high voltage terminals!

- 1.) Disconnect/shut OFF power to burner.
- 2.) Remove the mounting plate screws and flip back the transformer/ignitor to expose high output connections
- 3.) Cover cad cell eye.
- 4.) Jump out the operating controls/ thermostat/aquastat.
- 5.) Turn ON power to burner.
- 6.) Hold Chek-Mate so that the gold globes make contact with the high voltage terminals.

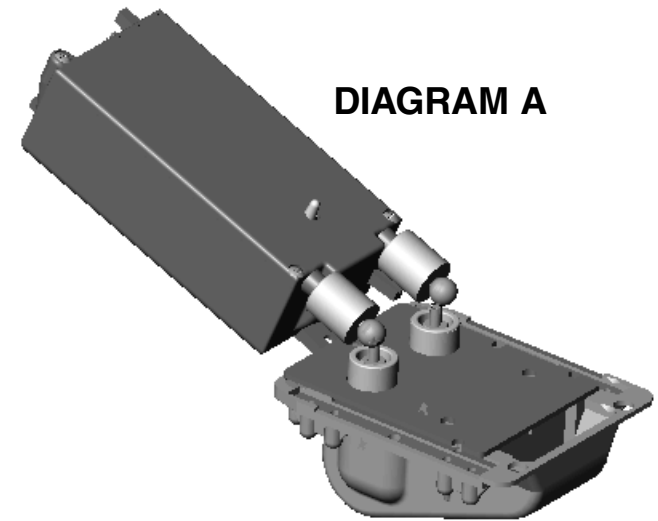
#### **SEE DIAGRAM A**

Remember to hold Chek-Mate™ so that hands are far away from HV terminals.

If the green LED lights in 3 seconds, the transformer is GOOD.

If the green LED fails to light the transformer/ignitor is unable to produce a sufficient spark.

**DIAGRAM A**



#### **Bad Condition:**

If LED fails to light in 3 seconds, replace the existing transformer/ignitor.

Try using an Allanson OMNI™ Ignitor. It mounts to any competitors mounting plate ... no extra plates needed!

#### **Good Condition:**

If the LED lights and the unit is good, turn **OFF** power. Disconnect the tester and flip transformer/ignitor back into operating position. Secure the mounting plate and power on the burner.

Once finished testing mode remember to flip back transformer/ignitor (if tested “OK”) and reconnect cad cell & thermostat.