

**CINE POWER INTERNATIONAL LTD.**

**Ultimate Lighting Technology:**

**125/200W AC Ballast**

USER MANUAL  
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## For Your Safety

### Warnings

*Do not open the Ballast.*

The ballast does not contain any user serviceable parts. Do not open.  
Risk of serious shock. Contact CPI for service details.

*Power Supply.*

Only connect your *CPI 125/200W AC Ballast* to a suitable AC mains supply.

*Location*

Avoid excessively dusty environments. Never use near water, in the rain or snow.

*Stop operating the unit when you sense trouble.*

If you notice any abnormal phenomena such as smoke, strange sounds or fumes, unplug the unit and contact your dealer or CPI.  
Further use may be dangerous and can cause electric fire or shock.

### Cleaning

Always completely disconnect your *CPI 125/200W AC Ballast* before cleaning. Clean only with a dry or slightly moist cloth.  
Never immerse in water.

## Product description

The *CPI 125/200W AC Ballast* is for use with 125W or 200W HMI/MSR type lamps.

Special Features:

- 125W or 200W Operation from a single unit!
- Constant colour temperature.
- Dimmable up to 50%
- Hot-restrike capable.
- Compatible with 2 or 3 wire ignitors!
- Flicker free output.
- Crystal controlled output.
- Remarkably low power consumption requirements.
- Extremely compact and lightweight.
- Proven and reliable design.

*Simply the best!*

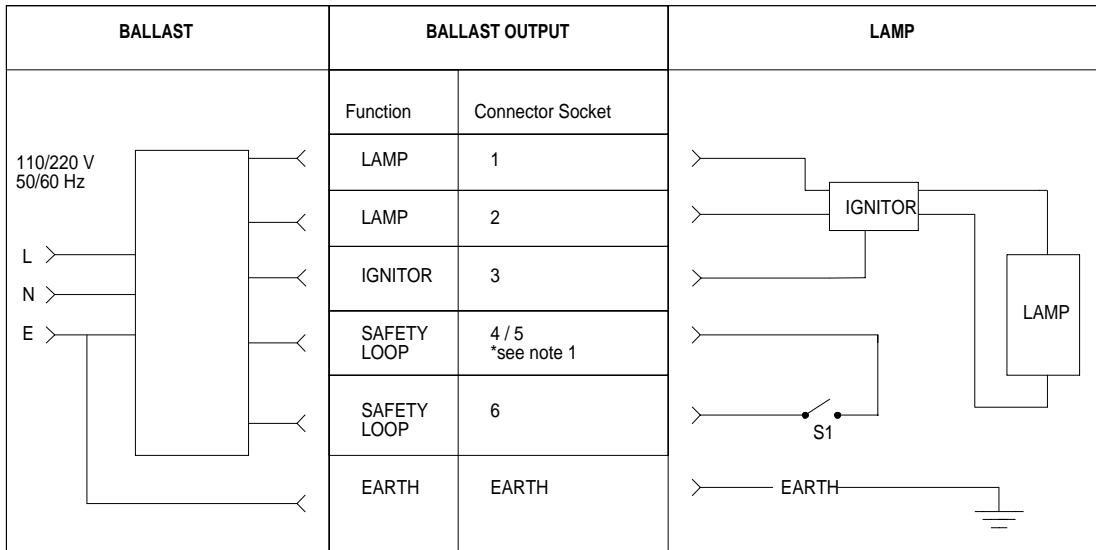
## Specifications and Detailed Operating Instructions

### CPI 125/200W AC Battery Ballast

#### Specifications

<b>Input Voltage:</b>	110V/220V 50/60Hz Auto-ranging input. Power-factor corrected > 0.99.
<b>Safety:</b>	Always use a 3 wire AC mains source. This ballast must be earthed.
<b>Input Fuse:</b>	10AT. Line and Neutral twin fused.
<b>Efficiency:</b>	90% nominal.
<b>Output Characteristics:</b>	Output power can be variably dimmed up to 50% of the maximum luminous output. True square wave crystal controlled output.
<b>Protection:</b>	The ballast is protected by internal fuse.
<b>Output socket:</b>	Amphenol type C 16 series: T3107-000 6+PE contacts. Mating plug: T3104-001 6+PE contacts. See Fig. 1 & 2 (pg.5) for pin connections.
<b>Mechanical details:</b>	The Ballast is housed in an extruded aluminium heatsink type casing. The Ballast may be fitted with a CPI "lock-on" accessory to permit easy fitting to case or stand if required.  Height: 170 mm (with controls) Width: 100 mm Depth: 60 mm
<b>Environmental:</b>	Operating: Temp: -10 to 35°C, Humidity: 10 to 80% no condensation. Storage: Temp: -20 to 85°C Humidity: 5 to 90% no condensation.  Cooling is provided by means of a proportional temperature controlled miniature fan. Normal operating case temperature at full power will be approximately 45° C.

*Note: Specifications subject to change without notice.*



NOTE 1

Lamp Type	Connector Plug
200 W	4
125 W	5

Fig.1: Ballast Output Connections.

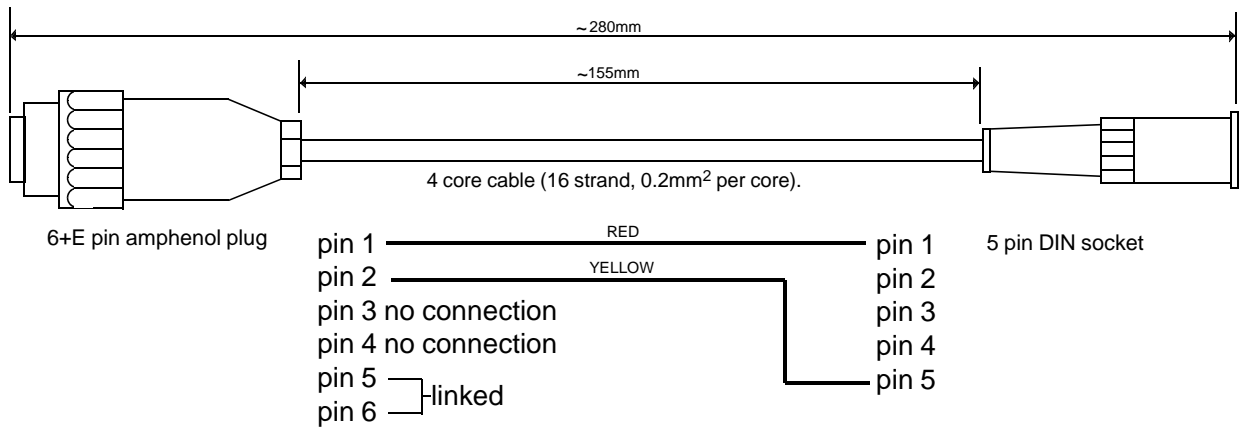


Fig.2: 125W Adaptor Cable

## **Operating Instructions**

### **ON / OFF Controls:**

The ballast output is controlled via a pair of switches (red and green) on the front panel. A yellow LED is illuminated when the ballast is connected to the AC mains.

### **Dimmer:**

The ballast is fitted with a dimmer knob. Output power can be variably dimmed up to 50% of the maximum luminous output.

### **Operating guide:**

- Connect the lamphead to the ballast.
- Connect the ballast to a suitable AC source.
- Turn the Dimmer Knob to Max.
- Turn the lamphead on.
- Press the Green ON switch on the ballast.
- The lamphead should ignite within approx. 3 seconds.

*Important:* The lamp will take approx. 2 minutes to warm up to the correct colour temperature. Avoid turning the lamp off at this stage, otherwise lamp life will be reduced.

After the warm up period, the lamp output may be controlled by using the dimming control knob on the ballast.

### **Lamp life:**

MSR Daylight lamps have a finite life.

To maximise lamp life, avoid turning the lamp on and off frequently. Always allow the lamp to warm up before turning off.

### **Lamp Switch (if fitted):**

For additional safety, and to avoid burning the output socket pins when inserting a lamp, the ballast can only be operated from its front panel. Any remote lamp switch will still function to turn the ballast off only.

## Troubleshooting

! Do not disassemble your Ballast to fix any problem by yourself !

! *Shock Hazard!*

Contact CPI directly for servicing details.

### Problems, Possible Causes and Remedies

**Symptom 1:** The ballast does not turn on. Yellow LED is not on.

1. Check the power input cable for signs of damage.
2. Test on another different AC mains source.
3. Check the input fuses.
4. Measure your power source output voltage, check that it is within range.

**Symptom 2:** Lamp does not strike. Ballast is on – Green LED is on.

1. Check the lamphead switch is ON, if fitted, and Ballast dimmer knob is set to Max.
2. Check the other operational functions of the lamphead, e.g. if the safety switch is activated, where fitted.
3. Check correct fitted of lamp in the lamphead.
4. Use a known good ballast and lamphead to check suspect ballast.
5. Disconnect ballast from AC mains and Lamphead. Wait 2-3 minutes. Reconnect Lamphead and AC mains.

**Symptom 3:** Ballast cuts out after running a few minutes.

1. The lamp may be faulty or nearing the end of its life.

## Servicing and Support

For service or support, please contact:

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It is important you contact CPI *before* shipping your goods back for service, to obtain detailed shipping instructions. Incorrectly completed shipping documents can add extra cost and delay to your shipment.