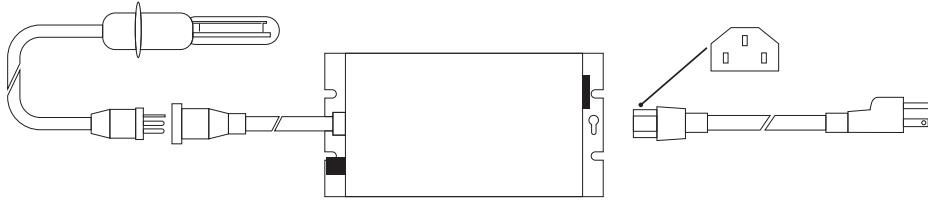


4. Connections Diagram

Ballast case must be grounded



5. System Protections

1. End of Lamp Life (EOL) protection
2. Short-circuit protection
3. Open circuit protection
4. Ignition failure protection
5. Thermal protection

6. LED Status Indicator

- Green: operating normally
.5-second blink intervals: Fan failure or obstruction
1-second blink intervals: Under or over voltage protection
2-second blink intervals: Short or open circuit protection
3-second blink intervals: High-temperature safety protection

7. Warning

Power surges/outages or outage overloading can stress or damage lamps (bulbs). AgroMax Hi-F ballasts feature built-in safety features that will prevent ballast damage in the event of bulb failure. In case of an unexpected shutoff; disconnect from the power supply and remove the faulty lamp or check for wiring problems. Then reconnect the ballast power cord once any possible issues have been identified and addressed.

8. Warranty

AgroMax warrants Hi-F ballasts to be free from defects in materials and workmanship. The warranty term is 3 years, beginning on the date of purchase. If under normal operating conditions, the ballast shows signs of defect within this period at no fault of the user, AgroMax shall, at its discretion, either replace or repair the product. Misuse, abuse, accidental damage, and damage resulting from natural causes or improper repair are not covered. For warranty service, please return the ballast to your place of purchase along with the original receipt.

USER MANUAL



1000W DIMMABLE DIGITAL BALLAST

- High-frequency lamp drive
- Lower harmonic distortion
- Driver efficiency at full power
- Dimmable settings - 100%, 75%, 60%
- Light-weight, compact size

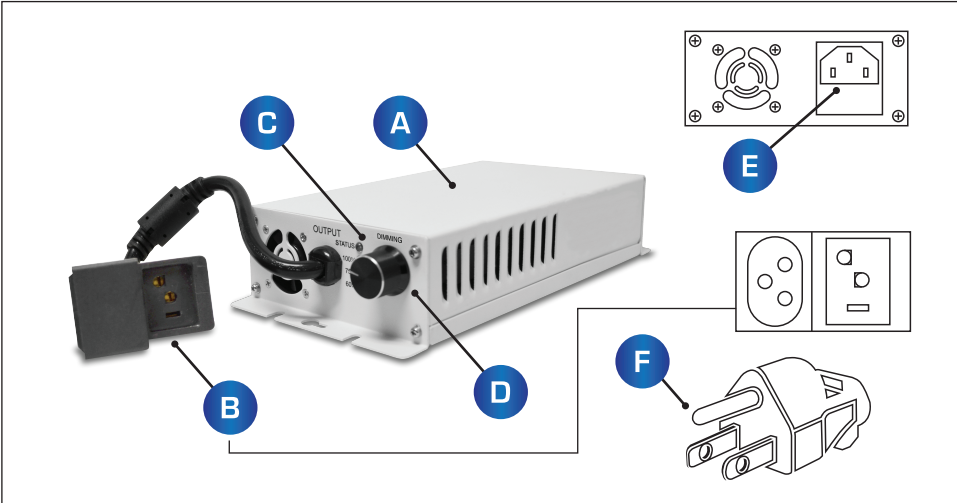
- Generator-ready
- Operates MH and HPS Lamps
- Multi-volt 120v/240v capable
- Universal socket receptacle
- No Acoustic Resonance

1. Introduction

Thank you for purchasing the AgroMax Hi-F Ballast! Each Hi-F ballast is factory-tested for approximately twelve hours to ensure optimal operation, and packed with advanced safeguards such as soft-start technology and a multi-aspect protection. In case of an auto-shutoff, please disconnect the ballast from the power supply and remove the faulty lamp or check for wiring/connection problems. Then restart the ballast after any possible issues have been identified and addressed. Please take a moment and review the rest of the manual to ensure proper use and best performance.

2. Controls, Connection, and Indicators

- A. Hi-F Ballast
- B. Output connection
- C. Status LED
- D. Power output level selector knob
- E. IEC connector for power cord
- F. 120v power cord with NEMA 5-15 grounded plug

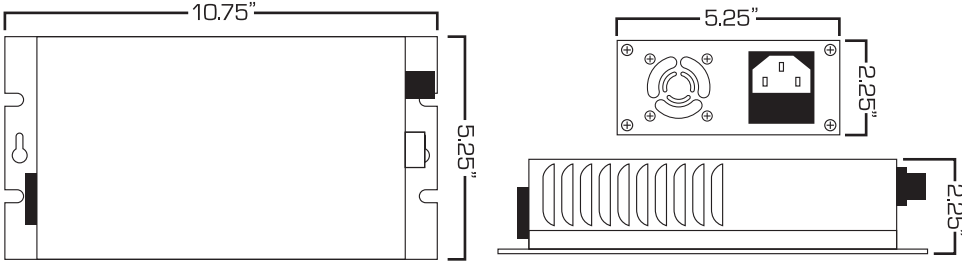


3. Product Information

3.1 Technical Specifications

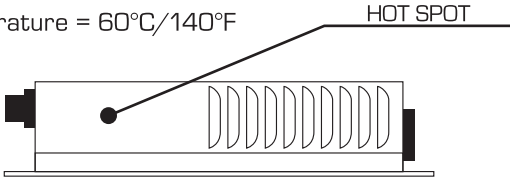
Model	1000W 120V/240V	
Product Weight	1.5kg/3.31lb	
Dimensions	270mmX134mmX56mm	
Temperature Case	60° Celsius / 140° Fahrenheit	
Temperature Ambient	-20 - 40° Celsius / -4 - 104° Fahrenheit	
Input Voltage +/- 10%	120V	240V
Input Current at 100%	9.30A	4.60A
Input Power at 100%	1085W	1055W
Power Factor	>0.99	
Total Harmonic Distortion	< 10%	
Frequency	50-60Hz	
Power Inlet	IEC C14	
Power Output Settings	50% / 75% / 100%	
Ignition Voltage	5 kV	
Inrush Current	≤ 50 Amps	≤ 37.5 Amps
Plug Type	NEMA 5-15	

3.2 Main Dimension



3.3 Hot Spot

T-case max temperature = 60°C/140°F



3.4 Operating Conditions

AgroMax Hi-F ballasts are designed to withstand damp environmental conditions; however, they are intended for indoor use only. Do not use or mount the ballast outdoors or in areas where there is a risk of direct exposure to water. Operational temperature: -20 – 40°C / -4 – 104°F