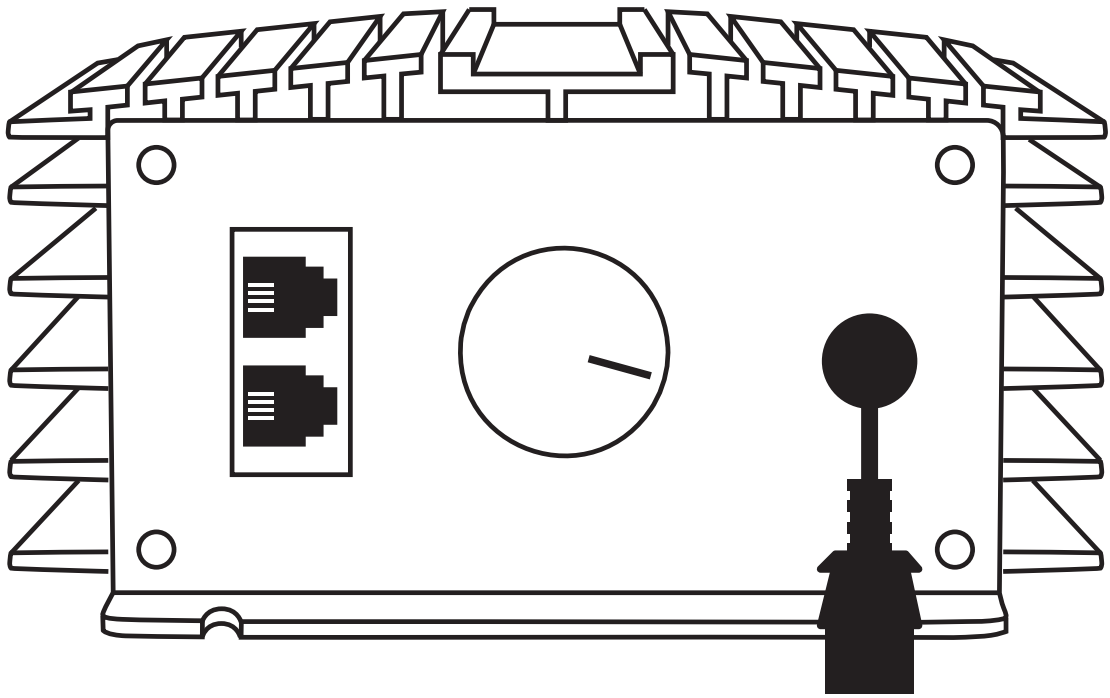




ADJUSTA-WATT ECO CONTROL

DIGITAL BALLAST



INSTRUCTIONS

600W
WITH PWM CONTROL

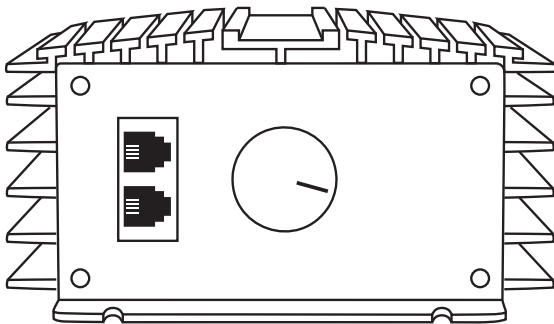

2 YEAR
WARRANTY

Adjusta-Watt® Eco Control Digital Ballast

Features:

- With PWM control port (pulse width modulation)
- Suitable for use with EITHER High Pressure Sodium OR Metal Halide lamps. Always make sure that the wattage of the lamp matches the wattage of the ballast.
- The new ballasts operate considerably cooler than the old ones, making it much easier to maintain optimal cool growing conditions throughout most of the year.
- More efficient than magnetic ballasts Output, measured in lumens of light produced per watt of electricity, is considerably greater and the high frequency output reduces power loss and improves overall power management.
- The Instant Start-technology enables the lamp to reach its full radiance within one minute of activation.
- The ballasts operate silently. It is essential to always use good quality lamps, preferably from major manufacturers, with your ballasts.
- Cheap, inferior lamps may fail to ignite and should be avoided. Allow the lamps to cool down after use. Do not attempt to restrike a hot lamp for at least 20 minutes. Following these precautions will greatly extend the useful lamp life.

1

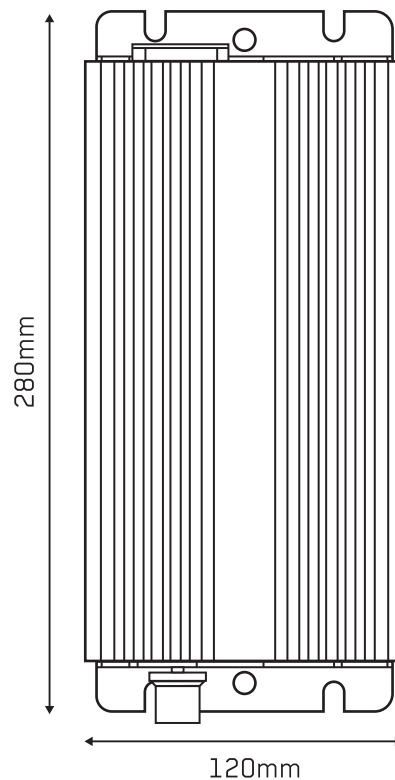


Dimensions

Width: 96.50mm

Height: 57.8mm

2



Dimensions

Total Width: 120mm

Depth: 280mm

Specifications:

Output Parameter

Open circuit voltage	←400 V
Crest ratio	←1.7 CF
Efficiency	→91%
Output plug	IEC female plug
Output cable	VDE H05VV-F 3*1.0MM2

Working Voltage(HPS):	165-240V
Working Voltage(LED):	60-240V

	Overdrive	600W	400W	250W
Rated Input Voltage (HPS)	230-240V 50/60Hz	230-240V 50/60Hz	230-240V 50/60Hz	230-240V 50/60Hz
Rated Input Voltage (LED)	230-240V 50Hz	230-240V 50Hz	230-240V 50Hz	230-240V 50Hz
Rated Input Power (HPS)	690w	627w	422w	270w
Rated Input Power (LED)	720w	628w	424w	278w
Rated Output Power (HPS)	643w	582w	390w	246w
Rated Output Power (LED)	667W	583W	390W	253W
PF (HPS / LED)	→0.99 →0.98	→0.99 →0.98	→0.99 →0.98	→0.99 →0.98
Efficiency (HPS / LED)	93.2 / 92.6%	92.8 / 92.8%	92.4 / 92%	91.1 / 91%
THD	←10%	←10%	←10%	←10%
Operating Temperature	-25°C to +50°C	-25°C to +50°C	-25°C to +50°C	-25°C to +50°C
Housing Temperature	Max 70°C	Max 70°C	Max 70°C	Max 70°C

Safety Advice

- NEVER immerse this product, or its lead and plug, in water or any other liquid.
- Keep away from children or pets.
- Unplug from the mains outlet when not in use or before cleaning.
- NEVER operate the unit with a damaged lead or plug. If the unit is damaged in any way, then return to an authorised service facility or a licensed electrician for examination and repair.
- NEVER use this ballast outdoors.
- Do not allow the power cord to hang over the edge of a counter or table and never allow it to come into contact with hot surface.
- Never plug this unit in unless it is already connected to a lighting fixture-complete with lamp.
- Switch off power and unplug the unit before handling the reflector or changing the lamp.
- Make sure that hands are completely dry before doing anything to this unit. Always keep the ballast well away from water.
- Never tamper with the unit as there are no user serviceable parts inside and this will void the warranty.
- Always allow adequate space around the ballast-do not place them close together or stack them on top of each other. Make sure there is space for plenty of airflow over the unit.
- Lamps are incredibly hot whilst in use. Never touch an illuminated lamp and allow plenty of time for them to cool down before touching.



How To Use the Digital Ballast

1. Install the reflector in the selected location, and then locate a suitable position for the ballast. Ensure that the unit is not mounted on any flammable surface; instead, it is preferably placed on a secure shelf or wall-mounted securely. Avoid placing it on the floor where it might be exposed to water or potential water damage.
2. Ensure the lamp wattage matches the ballast wattage before screwing the lamp into the reflector. Verify that the lamp is tightly fastened and, after handling, wipe it with a soft cloth for cleanliness.
3. Connect the reflector to the ballast by plugging it in securely. Confirm that the IEC plug is firmly and correctly positioned in the female socket. Next, plug the ballast into the mains outlet, and then switch it on at the mains.
4. When linking the smart controller, ensure that all the rotary knob is set to "EXT." Next, connect one end of the RJ14 networking cable to the controller port in the ballast (as shown in **DIAGRAM 1**) and the other end to the first connected fixture.

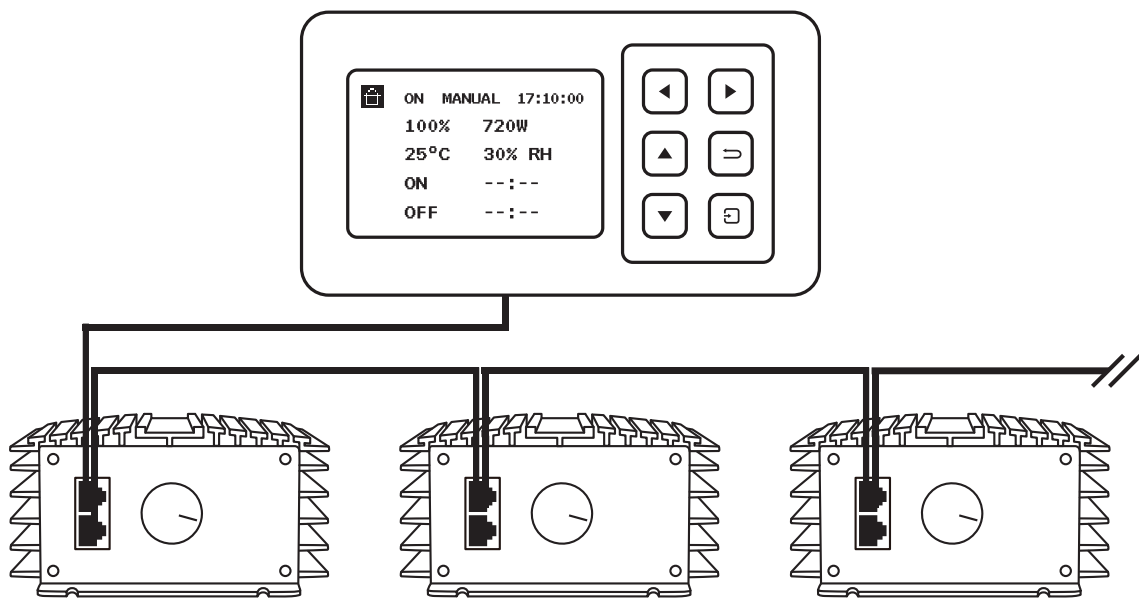
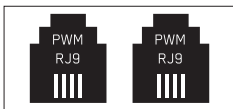


DIAGRAM 1 Built-in PWM Control Feature

Combine with the LINK-30 controller* for simultaneous control of up to 30 ballasts.



*CONTROLLER
AVAILABLE SEPARATELY

NOTE:

If the light does not come on after a minute or two, switch it off. UNPLUG it from the mains, then thoroughly check all connections and ensure that the lamp is screwed in tightly. Plug it in again and try once more. If it still fails to ignite, it should be returned to the retailer for immediate replacement.

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Designed in UK, Assembled in China

DANGER



Warning - Mains Voltage Can Kill.

It is essential to ALWAYS use Earth Leakage Circuit Breakers in any growing area. If you have any doubts or concerns about wiring or any electrical matter, it is strongly advised to call in a qualified electrician for assistance. Safety is of utmost importance, and professional expertise will help ensure a secure and compliant electrical setup.



Disposal

This unit is not suitable for disposal as household waste. Instead, it should be taken to a local recycling center for proper disposal.