

## MAINTENANCE

- Regularly check the ballast for dust or dirt buildup.  
Clean the outside of the fixture using a dry or damp cloth.
- Regularly check the wiring of the product to ensure it is undamaged.

**RETURNING UNITS** Please contact your retail store for returns.

**WARRANTY** This unit, when properly used will provide you with years of service. It is covered under a 3 year warranty. This warranty will be voided if the unit is misused, abused or altered. Warranty repair or replacement will be at the sole discretion of the manufacturer. Defective units need to be returned to the place of purchase with proof of purchase/receipt.

This warranty is expressly in lieu of all other warranties, expressed or implied, including the warranties of merchantability and fitness for use and of all other obligations or liabilities on the part of the seller. This warranty shall not apply to this product or any part thereof which has been damaged by accident, abuse, misuse, modification, negligence, alteration or misapplication. Manufacturer makes no warranty whatsoever in respect to accessories or parts not supplied by manufacturer. This warranty does not cover labor, materials, equipment, etc. to install or de-install lighting fixtures or any other product. Buyers sole and exclusive remedy shall be the repair or replacement of the defective product at the sellers sole discretion. This warranty shall apply only to the United States, including Alaska, Hawaii and territories of the United States and Canada.

<b>Part 18 compliance</b>	This device complies with Part 18 of the FCC Rules.
<b>Advisory statement</b>	This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45-30 MHz.
<b>The interference potential of the device or system</b>	The interference potential of the device or system is the operating frequency; 60 kHz.
<b>Maintenance of the system</b>	Unplug the unit, wait 30 seconds, and plug the unit back in.
<b>Simple measures that can be taken by the user to correct interference</b>	Move the unit away from any radio device.

- This product contains delicate electronic components. This means that if it is placed near an object that transmits radio signals, it could cause interference. This could be, for example, mobile telephones, walkie talkies, CB radios, remote controls and microwaves. If interference occurs, move such objects away from the appliance.
- Do not use the fixture when either its lamp or its power cord are damaged. Replace the power cord only with original certified cords. Replace the lamp only with lamps specified by Gavita (see paragraph 10.1). Modifications to the cords can lead to unwanted electromagnetic effects, which makes the product not comply with legal requirements.



## INSTRUCTION MANUAL

\*\*\* READ THESE IMPORTANT INSTRUCTIONS BEFORE USING YOUR BALLAST \*\*\*

**KEEP ORIGINAL PACKAGING**— all returns need to be in the original packaging in order to avoid product damage during shipping. Any damage to products not in their original packaging will not be covered under warranty.

**SAFETY FIRST!** Failure to observe the following safety warnings may result in serious injury. In addition, failure to observe these safety warnings will result in a waiver of all liabilities and will void all warranties.

### WARNING

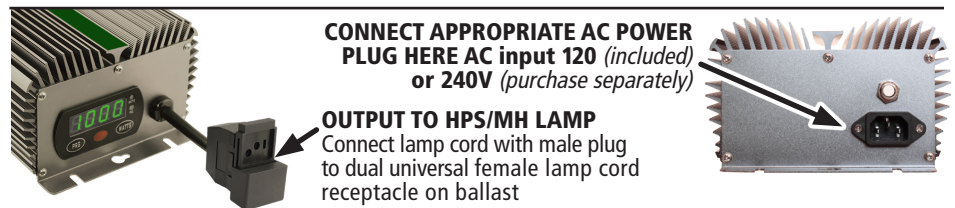
- If the exterior of the lamp is damaged, replace lamp immediately.
- When re-lamping, make sure lamp has time to cool before touching.
- Make sure power cord and lamp cord are connected properly.
- Disconnect power before re-lamping.
- **DO NOT** make contact with the interior of the socket while power is on.
- **DO NOT** operate light systems in wet locations.
- **DO NOT** attempt to rewire or reconfigure your system, it will void warranty and could cause serious safety hazards (i.e. power cord, lamp cord, lamp socket or ballast).

- **DO NOT** hang by power or lamp cord.
- **DO NOT** plug system into supply voltage other than what is designated on ballast.
- Keep away from children.
- **DO NOT** alter or modify this unit in any way. It may cause bodily injury or death as this is a high power electrical device.
- **DO NOT** submerge in water or splash water on the unit.
- **DO NOT** plug or unplug the lamp cord while the ballast is energized.

These high performance Electronic Ballasts are extremely efficient. They have a high power factor and high luminous efficacy. It's stable performance creates constant power output even when power fluctuates (power surge). Short circuit protection technology prevents damage to the lamp and other ballasts connected to the same circuit.

### 1. INSTALLATION PROCEDURE

- **DO NOT** alter or modify the electronic ballast in any way. Not only may it damage the unit, it will void the warranty.
- Lamp power rating must match electronic ballast power rating.



**CONNECT APPROPRIATE AC POWER**  
**PLUG HERE AC input 120 (included)**  
**or 240V (purchase separately)**

**OUTPUT TO HPS/MH LAMP**  
Connect lamp cord with male plug  
to dual universal female lamp cord  
receptacle on ballast

The Galaxy Digital Logic offers our exclusive Smart Volt® feature, allowing operation on either 120 or 240 volt power by simply plugging in the appropriate power cord. There is no further modification necessary. It comes with a 120 volt power cord. To run this ballast on 240 volt, purchase the 240 volt power cord separately (part #903082 six foot or #903084 twenty foot).

### 2. SPECIFICATIONS

- 120-240 Volts
- Power source frequency: 50/60Hz
- Power Factor (cosφ): > 0.99
- Ambient Temp: 50°F to 120°F
- Crest Factor: < 1.5
- Acoustic Resonance: none
- Total Harmonic Distortion: (THD): < 10.0%

### 3. NOTES

Galaxy Electronic Ballasts will operate with Metal Halide lamps and High Pressure Sodium lamps that are rated at the proper wattage. This unit offers short-circuit and power fluctuation.

**240V WIRING - VERY IMPORTANT!** All digital ballasts may malfunction if the 240V circuit has a neutral. The input for the ballast is 2 HOT WIRES and 1 GROUND WIRE. If you are using a light controller ONLY bring a ground wire and two hot leads from your electrical panels.

**HOT RESTRIKE** - It is **VERY IMPORTANT** that the lamp is given adequate time to cool down before it is reignited. You should allow a hot lamp to cool for 20-30 minutes before you try to restrike it. Hot restrikes cause permanent lamp failure and lumen output degradation. Additionally, the lamp should never be turned off before the lamp reaches full intensity.

**LAMP REPLACEMENT** - Be sure to disconnect the power source before changing lamps. Always use the specified wattage lamp. (A 400W halide lamp should not be used in a 600W ballast).

**MOUNTING LOCATION - DO NOT** install ballasts in areas of high heat, such as an attic or a closed closet. **DO NOT** mount the ballast to the reflector or blow exhaust air over them. **DO NOT** stack ballasts on top of each other. **DO NOT** allow contact with water. Mount units at least six inches apart. If a unit has any leaking resin, please relocate to a cooler area or place a fan near the ballasts.

**RUBBER FOOTINGS** - Please install the included rubber footings to the four corners of the mounting bracket. This will allow proper spacing for the ballast.

**TIMER BOX** - If you are connecting a 240V ballast to a timer box, please make sure that it cuts off both legs when timer is switched off. If you continue to supply 120V to your ballast when the timer is switched off, it may damage your ballast.

**HPS/MH** - The ballasts operate both metal halide and high pressure sodium lamps. They will not light mercury vapor lamps. **PLEASE NOTE:** The 750W ballast is HPS only.

**LAMP RECOMMENDATIONS** - The ballasts are designed to provide superior performance with several lamps manufactured to American specifications. There are several brands of lamps available for the U.S. market that were made according to European specifications. We do not recommend using these types of lamps, since they will provide inconsistent performance with your ballast.

**PROGRAMMING THE GALAXY DIGITAL LOGIC BALLAST**

- The Galaxy Digital Logic can be set on 7 output wattage settings: Off, 1000W, 1040W, 600W, 630W, 400W and 420W.

	IDLE	1000W	1000W TC*	600W	600W TC*	400W	400W TC*
Displayed Wattage	OFF	1000	1040	600	630	400	420
PROGRAM	When a program is set, you will see the LCD display alternate the wattage and program settings. <small>* Turbo Charge®</small>						

**SETTING THE WATTAGE**

- To toggle between the wattage settings press the wattage button repeatedly until the display reads the wattage you would like to run.
- To put the ballast in the “off” setting hold the wattage button for 3 seconds.



**Caution:** Do not run a lower wattage lamp on a higher lamps setting.

**SETTING THE LIGHT CYCLE**

- The Galaxy Digital Logic also can be preset to 7 lighting cycle settings:

	PRG1	PRG2	PRG3	PRG4	PRG5	PRG6	PRG7
HOURS ON	12	18	19	20	21	22	23
HOURS OFF	12	6	5	4	3	2	1

You can check if you have a current lighting cycle chosen by a short press of the PRG button. If no programs are set it will read “—”. When a program cycle has been set the PRG light on the display will turn on.



The display will also flash both the set wattage and lighting cycle that is currently programmed.

To set the ballast to your preferred lighting cycle press and hold the PRG button for three seconds until the screen starts flashing. Once the screen is flashing press the PRG button repeatedly to toggle through the lighting cycles until you find the schedule you are looking for. Once you find the desired lighting cycle press the WATTS button to select it.



Please note: The cycle is going to start at the time you selected it. If you want the cycle to start at a specific time the remote control is required (*sold separately*).

**USING LIGHTING CONTROLLERS**

When using an external lighting timer, such as a Titan Controls Helios controller, you should not use the pre-programmed light cycles. Therefore the “PRG” light should not be illuminated.

**ERROR CODES**

If the ballast encounters any abnormal conditions the built in self-diagnostic feature will display an easily identifiable error code. Error codes include over or under voltage, overheating, and open or short circuits.

	Over Voltage	Under Voltage	Over Heat	Open Circuit	Short Circuit
ERROR CODES	E-01	E-02	E-03	E-04	E-05

**BALLAST LIFE TIMER**

Your Digital Logic ballast has a built in “Odometer” that will display the number of hours your ballast has been in use. You can display the ballast odometer by pressing down both the PRG and Watts button down together for 3 seconds.

**CYCLE MEMORY BACKUP**

In the event of a power outage or disruption both the timer and cycle function will be saved by a battery backup for up to 6 hours. If the power is disrupted the ballast will resume its normal schedule and cycle once power is restored.

**TROUBLESHOOTING GUIDE**

Follow the troubleshooting tips below. If troubleshooting techniques fail, bring ballast back to your place of purchase to request warranty service.

POSSIBLE CAUSES	CORRECTIVE MAINTENANCE
LAMP LOOSE IN SOCKET	Screw lamp firmly into socket. Make sure tab inside the socket makes proper contact with the base of the lamp. If lamp will not seat properly replace lamp.
INCORRECT VOLTAGE	Make sure you are using the correct input voltage with ballast. If using incorrect voltage, disconnect the ballast from the power source immediately.
DEFECTIVE OR IMPROPER WIRING	Examine wiring to ensure it agrees with wiring diagrams on ballast label. Check connections to see that they are secure. If wiring a 240V ballast, DO NOT use a neutral. The correct wiring is two hot wires and a ground.
POOR ELECTRICAL CONNECTIONS	Check wiring and lamp contact with socket. Make sure the lamp cord is firmly seated in output receptacle.
INCORRECT LAMP	Verify that you are using the proper wattage lamp with ballast. DO NOT use a lamp manufactured according to European or Asian specifications as they will not provide consistent performance.
LAMP DAMAGE	Investigate possibility of outer bulb damage, particularly where glass meets base. Lamps may have been twisted to firmly into socket. Look for broken tubes or loose metal parts. Replace lamp.
BREAKER	If lamp will not start, reset the breaker by pressing the white button located on the input side of the ballast.

**OPTIONAL REMOTE**

The Digital Logic includes a unique timer and feature when operated by remote. The feature allows the user to set the light cycle to start at a specific time by programming the remote instead of the ballast. Once the remote is programmed any Digital Logic ballast you own can be programmed accordingly by a single press of a button.

