genesys
Light. Recreated.

gHID

Ballast Installation Instructions

Electrical Connections

The Genesys gHID main voltage supply inlet is 3-wire: BLACK (L1), WHITE (L2), and GREEN (safety ground) for 208VAC, 240VAC, or 277VAC. Ensure that service voltage meets these specifications. The ballast lamp output wires (PINK and BROWN) connect only to the lamp socket with no additional connections.

Wire Terminations

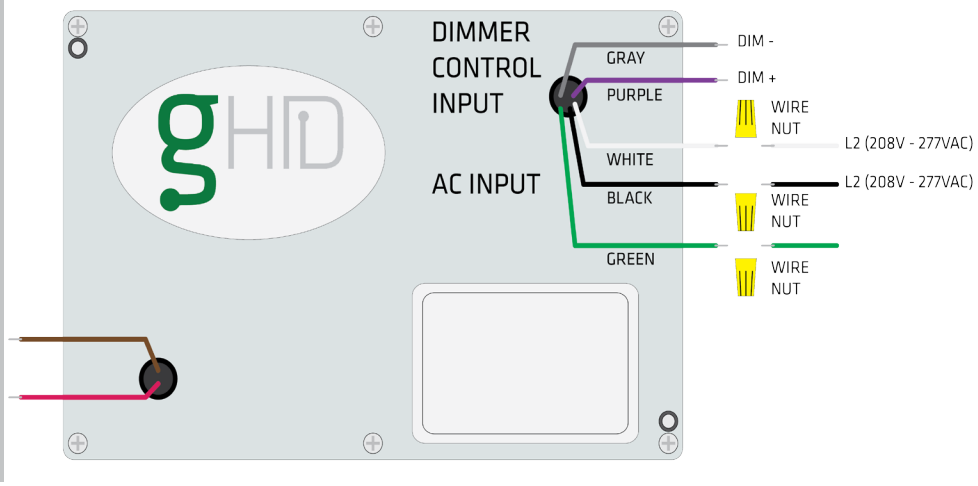
USE ONLY LARGE (YELLOW - 74B) WIRE NUTS
Prepare all wire connections by removing existing connectors (as necessary), stripping wires to expose 3/8" length of conductor, and twisting conductors tightly. Care should be taken not to strip wires excessively.

Input Connections

Notes:

- The AC input wires should be routed away from the ballast and kept away from the output wires for best performance.

- Connect the green ground wire on the ballast to a ground wire from the breaker box using a wire nut. If there is no ground wire from the breaker panel available at the fixture, the ballast ground can be connected to pole ground.



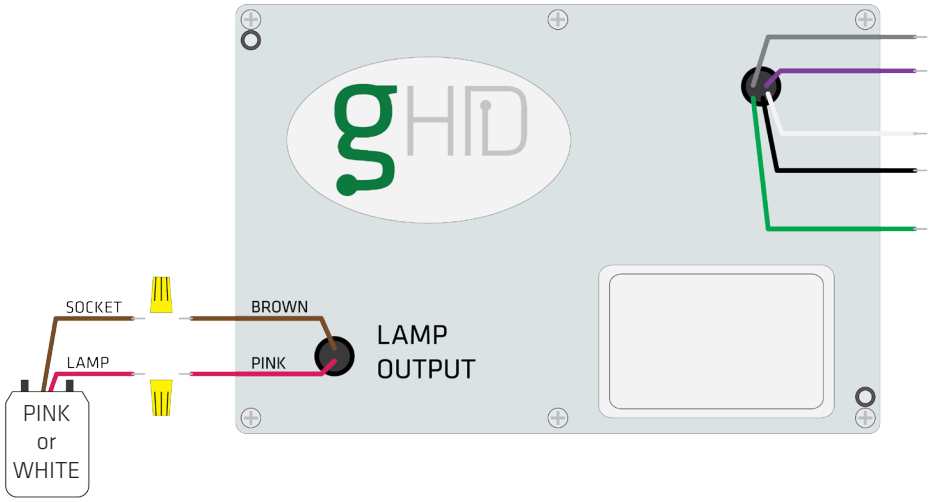
Dimmer Control Connections

Gray and Purple wires can be used to control light intensity.

- **No Connection** - Full Light - Default Setting - Cap wires if they are not being used
- **Connected Together** - Full Dim
- **Connected to 0-10V Dimmer** - Variable Control (Dimming is delayed for 10 minutes after lamp strike)

Output Connections

Connect Ballast Lamp Output to the correct socket leads using wire nuts. (Refer to lamp installation guide for details on socket options)



Notes:

USE ONLY LARGE WIRE NUTS

- 'Dryconn' or similar wire nuts are not steel-wire compatible.
- 'Twist & Tube', 'Pliers twist and Tape', or 'Push-in Style' connections are not acceptable.
- Use of 'Screw Terminals Blocks' used in older magnetic ballast systems are also not acceptable.

CAUTION: Installer should be sure that all connections are secure and no bare wires are exposed. All wire connections should be terminated so that the finished wiring avoids metal edges and wires are not pinched.

Mounting

Ballast **MUST** be installed with AT LEAST two fasteners: 2 1/2" or 3" machine screws or self-tapping sheet metal screws (#8 or #10). DO NOT use sheetrock screws.
Attachment may be augmented with Permatex silicone gasket maker.

Safety Notes

- **Disconnect voltage from the installation site with breaker and switch before installation.**
- Check voltage with a voltmeter prior to installation. **Do not attempt to measure the lamp voltage.** The lamp voltage is high frequency and may damage equipment or result in an electrical shock to the installer.
- **Do not short lamp leads for testing.** Although this may cause the lamp to strike, it may also damage the ballast.
- **Do not install the ballast in an outdoor fixture while it is raining.** A wet and dirty socket may allow the striking lamp to short to the fixture case and eventually cause failure. The strike voltage can create a short circuit across the surface of the socket.