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GL600AC and GL600DC Laser Crosshair Line Generator Operating Instructions

The GL600 Series Laser Crosshair Modules include two green beam lasers and line generators in one case with one laser's line turned 90° relative to the other. This creates two solid lines that intersect. It's used for indexing and registration along with parts alignment, pattern positioning, mold and template alignment and pointing reference. It includes a mounting bracket, push button switch and fine line adjustment wedge prisms. It will operate from 110VAC or 12-24VDC power and produces 532nm green laser light that is 10 times brighter. It is hard anodized, IP65 water proof and suitable for harsh environments.

Features:

- Solid Aluminum Construction - Won't rust or spark
- "O" Ring Seal - Water and Oil Proof to IP65 Standards
- Laser Beam Lines 60° Divergent - Draws two 25" long lines @ an 18" distance.
- Beam on Indicators– Verify unit is working from a distance.
- Use as a Laser Chalk Line – Shoot a vertical and horizontal line.
- 3 mm Glass Optics – Solid lines for even illumination.
- Fine Line Adjustments – Dual Wedge Prisms move the lines +/- 1°



Caution - Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

To turn on the laser module:

For a GL600AC Laser Crosshair Module, plug the AC Adapter into 110VAC power. For a GL600DC Laser Crosshair Module, connect to a 12V to 24VDC regulated power supply with a minimum of a 200mA load capability to the power cord observing DC Polarity. Reverse polarity protection and electrical isolation is built-in to the L600 Series Laser Modules.

To turn off the laser module:

Disconnect the laser module from either the AC line or DC Power supply.

Rotating the knurled Fine Line Adjustment lens on the front of each laser line exit window will move the laser lines +/- 1 degree.

Optional Accessories:

Interchangeable lens – Line lengths can be adjusted to suit application

Turck power connector – Quick connect and disconnect for GM and P&G

Specifications: Model GL600AC and GL600DC

Dimensions: 4" (101.6mm) L x 3/4" (19mm) Width x 1 3/8" (34.93mm) Height

Weight: 6oz (Excluding Transformer)

Power: 110VAC or 12-24VDC at 200mA. Class II @ 532nm <1mW

Beam Divergence: 60° standard

Note: 1. Do not remove the power transformer from the Model GL600AC Industrial Alignment Module and connect to alternate power or chassis ground.

2. The shield wire on the power cable is connected to the Aluminum housing.

3. For GL600DC Power Connection – White/Blue or Black wire (Negative and Alu. Case), Blue/White or Red wire (Positive). Do not exceed 36 Volts DC.

4. The laser module is polarity reversal protected.

5. DC to DC Switching Regulator used for power regulation.

Manufactured by: Laser Tools Co., Inc. 12101 Arch St., Little Rock, AR 72206, 501-562-0900, Fax 501-562-0022, www.Lasertoolsco.com