

IMPORTANT SAFETY INSTRUCTIONS

Manufactured by Gualala Robotics, Inc., P.O. Box 774288, Steamboat Springs, CO 80477. *FOR USE WITH GROW LAMPS THAT ARE U.L. LISTED AND / OR C.S.A. CERTIFIED.* RISK OF FIRE AND ELECTRICAL SHOCK, THIS PRODUCT REQUIRES PROPER FIELD WIRING AND IS INTENDED TO BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY.

Please read these instructions and the operating instructions before installing your unit. The instructions supplied with your unit contain important information. Review all documentation before installing your unit.

1. Dropping this unit will cause serious damage to it.
2. Straight and secure Rail mounting is essential for both safety and operation. If you are inept at this sort of thing, hire a carpenter or ask a friend who is one. Refer to STEP ONE of the mounting instructions inside.
3. If you are using chain and/or hooks to hang your Grow Light from the drive unit, be sure they are load rated to handle the weight of your Grow Light.
4. This unit is rated for use on specific voltage identified by a label fastened to your unit. Never use this unit on a different voltage than specified.
5. Your unit is equipped with a 3-Wire grounding type electrical plug. This unit will only fit into a grounding-type outlet and is a safety feature. DO NOT DEFEAT THE GROUNDING CONNECTION. If you are unable to insert the plug into an outlet, call an electrician to replace the obsolete electrical outlet.
6. After installation, be sure there is plenty of slack in power cords as described in STEP FOUR of instructions.
7. The electrical portion of this unit is non-serviceable. Do not attempt to remove the switch box cover under any circumstances. If unit fails to operate due to an electrical malfunction, unplug, remove from Rail and return to manufacture.
8. Always unplug unit if: you are adjusting Grow Light Height; removing Drive Unit for service; or any procedure. A moving Grow Light warrants Danger.
9. Warning: Never wire /hook this unit to your lamps/lights ballast it will cause serious damage to the motors circuitry.

INSTALLATION

STEP ONE: RAIL MOUNTING

To mount the Rail above area to be serviced, it is **strongly suggested** that the rail is first mounted to a board. The board should then be mounted to the ceilings mounting points. **If you are mounting to a finished ceiling, be sure to mount to the ceiling joist beneath the dry-wall. Straight, level and secure rail mounting is essential for safety and operation.** If you are inept at this sort of thing, hire a carpenter or ask a friend who is one.



Fig. 1

STEP TWO: VARIABLE TIME DELAY

The Light Rail 3.5 Intelli Drive has a variable time delay that dictates how long the Drive Motor will pause at each end of the Rail. The length of delay can be adjusted by turning the knob on the left side of the Drive Motors' switch box. Turning the knob counter clockwise until it stops, sets the time delay at 2 seconds. From that point the length of delay can be increased as the knob is turned clockwise until the maximum delay of 60 seconds is achieved.

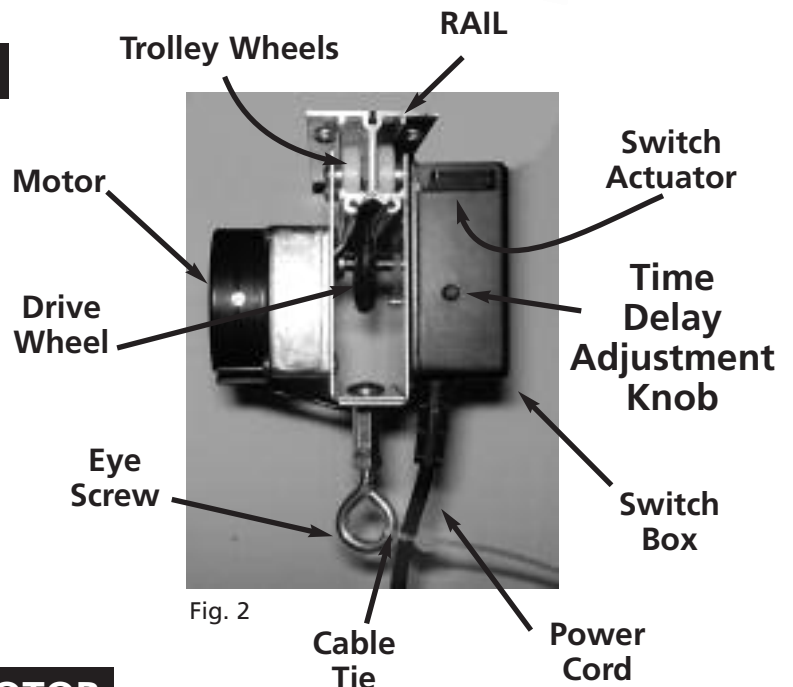


Fig. 2

STEP THREE: INSTALLING DRIVE MOTOR

After the Rail is securely mounted above the area to be serviced, the Drive Motor can be installed on the Rail. First, turn the time delay knob counter clockwise until it stops. Next plug the unit into the power source. Place the leading two trolley wheels onto the Rail (FIG. 4) while gently pushing upward. The Drive Motor should pull itself onto the Rail. If it wants to come back into your hand, push the switch actuator towards the Rail. We **strongly suggest** wrapping the cord around your wrist, incase of accidental drop.

STEP FOUR: SWITCH STOPS

The switch stops are 2 thumbscrews and 2 rectangular nuts (slide nuts). First thread the thumb screws into the rectangular nuts. The switch stops are installed in the Rails' vertical channel (Fig. 3) one on each side of the Drive Motor, at any location along the Rail you desire.

INSTRUCTIONS

To tighten them, hold the slide nut in the Rails' channel and turn the thumb screw clockwise until it contacts the Rail. After tightening, the end tab of the thumb screw needs to be in a vertical position. you may need to use pliers to obtain this position. **It is important that the thumbscrews are tight.**

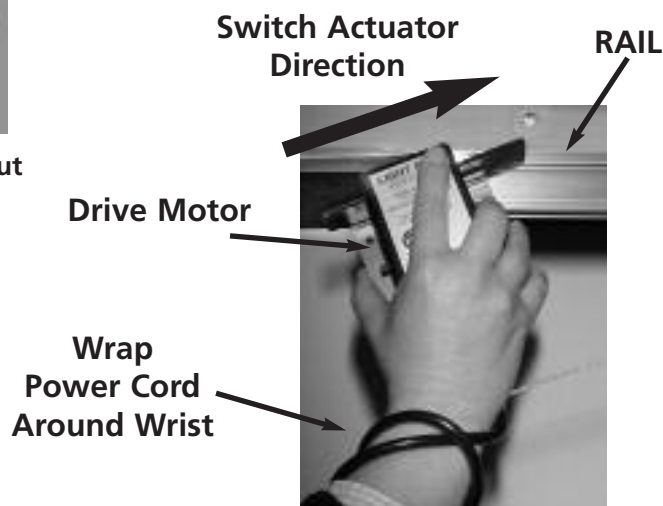
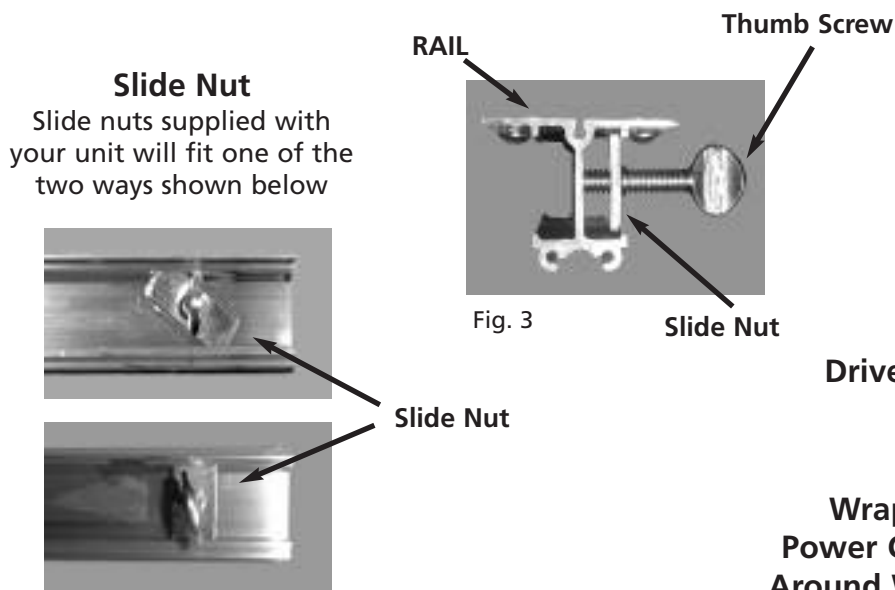


Fig. 4

STEP FOUR: LAMP HANGING

There are several ways to hang a Grow Lamp from the Light Rails Drive Motor. There are 2 holes at the bottom, these work well with the chain and hook method of Lamp Hanging. Also supplied is an eye-screw for threading into the coupler nut at the bottom of the Drive Motor. Gualala Robotics, Inc. manufactures a device called "Robo Stik" that works great for Lamp Hanging as it helps to balance and stabilize the Lamp when hanging from the Light Rail. Robo Stik sold at retail Hydroponics stores world wide. The important issue when hanging a lamp from the Light Rail is: **Be sure to leave enough slack in the cords so the Drive Motor can travel its full distance without restriction. We recommend that there be at least 12 inches distance from the bottom of the rail to the center of the power cords arc when the cord's are fully extended and fasten both cords to the bottom of the Drive Motor. You can fasten to either of the two holes or the eye screw described earlier. Please do not fasten to the Motors Wires.**

