

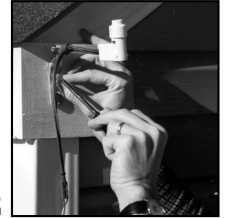


# RainBrain™ Model 420GLS Installation

1. Locate the nearest roof location to the controller, making sure there are no overhanging trees or other obstructions. RainBrain™ needs clear access to rainfall to work effectively. If using a ladder, ensure it is stable before accessing the roofline.
2. Select the desired rain sensitivity. Sensitivity settings range from 1/8" to 3/4" (fig.1). The higher the setting, the longer RainBrain™ will remain inactive before shut-off. To adjust, turn the cap while lifting up and locking into the desired setting.
3. Using the supplied attachment screws, fasten RainBrain™ to a solid fascia board or other solid mounting location using a screwdriver. Adjust the aluminum bracket so the plastic housing of the RainBrain™ is level and the top opening is pointed up (fig.2).
4. Tuck the extension wire behind the nearest trim or corner board and run the wire back to the controller. (fig.3) If using a staple gun to secure the wire, be careful not to puncture any of the insulation. If additional wire is needed to reach the controller, an additional 50' of 20 gauge wire can be added before heavier wire is needed. (Consult the factory for longer wire runs).
5. If the controller has a space on the terminal strip marked "Sensor", simply connect the two wires of RainBrain™ to the sensor terminals. (Most models of Toro™ controllers require a "Normally Open" sensor, see Special Instructions for details).
6. If the controller has no sensor input, disconnect the common wire (usually white) from the terminal. (fig.4) Attach one wire of RainBrain™ to the common wire and secure with a wire nut or tape. (fig.5) Attach the remaining wire on RainBrain™ to the common terminal. (fig.6) You're done!



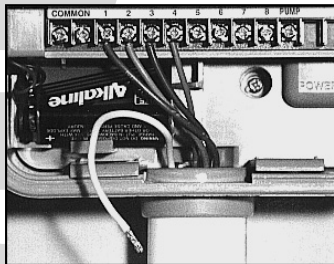
1



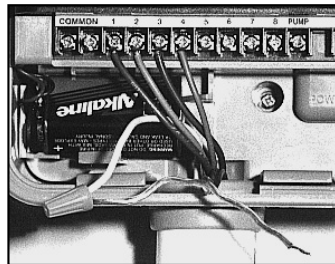
2



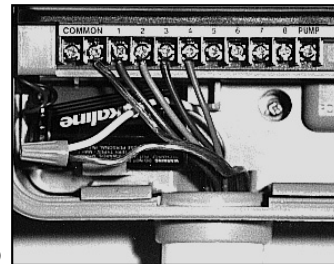
3



4



5



6

## Special Installation Instructions

When using RainBrain™ with a Toro™ GreenKeeper™ or any other brand of irrigation controller that requires a "Normally Open" sensor, a minor change is needed before installation.

1. Cut the red wire from the RainBrain™ where it meets the copper extension wire.
2. Strip the unused blue wire (Normally Open) and attach it to the copper extension wire. Seal the connection with heat shrink tubing or electrical tape.
3. Cut any bare wire from the end of the red wire. You're done!

**Testing:** Manually start the irrigation system with a dry RainBrain™. Depress the spindle located top/center of RainBrain™ with your finger. All sprinklers should stop within 30 seconds. Release the spindle and the sprinklers should resume normal operation.

**Warranty:** All RainBrain™ products are covered by a lifetime limited warranty. If you have any problem with materials or workmanship of this sensor, we will repair or replace it free of charge. Ecologic assumes no responsibility for installation costs. Replacement disks are available at a nominal charge at any time.



**Caution:** RainBrain™ is designed for low voltage use only. RainBrain™ is not intended for use with high voltage irrigation systems. Please consult the factory for details.



©2003 Ecologic, Inc., 8570 Sanford Dr., Richmond, VA 23228 (804) 261-3337  
**web:** www.rainbrain.com • **email:** info@rainbrain.com

