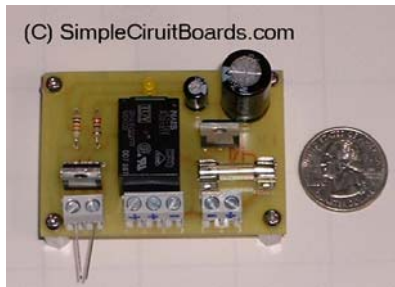


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Moisture / Rain Sensing Circuit Board – DC Version



This is a handy little board if you are interested in monitoring for the presence of a liquid (rain, leak, etc.). It uses a Darlington Transistor which enables this circuit to work with very clean (low conductivity) liquids. You can use this to detect rain and turn off your automatic sprinkler system or to monitor for a leak around your washing machine, fish tank, water heater, etc. It detects the presence or absence of liquid at the tip of the sensor which can be simply 2 wires stuck into a dry sponge that when the sponge gets wet, the on-board relay is activated. When the relay is activated, the voltage that is applied at the input of the circuit board will be switched from the normally closed contact of the relay to the normally open contact.

Miscellaneous Information:

For sprinkler control (sprinklers using low voltage DC power), attach the power coming from your controller to the input of the circuit board. Attach your sprinkler solenoid to the normally closed contacts of the circuit board. Place the sensor/sponge outside where it can get wet if it rains. When your timer activates the sprinkler solenoid and the sponge is dry, the sprinkler will come on as usual. If the sponge is wet, the circuit board will prevent your sprinkler from coming on.

For leak detection using a buzzer for an alarm, supply the circuit board with 12-24V DC. Hook your buzzer to the normally open contacts of the circuit board and place your sensor/sponge where you want to monitor for a leak. When the sponge gets wet, the alarm will sound. Note: be sure to match your buzzer voltage to the voltage that you are supplying to the circuit board..

Specifications:

- Input Power: 12 - 32 V DC
- Number of Outputs: 1
- Output Control: 5 A max
- Board Dimensions: 1.75 x 2.5 inches

Disclaimer:

These boards are designed for educational use only. In no circumstances should these circuit boards be used in critical situations where failure could mean injury or property damage.

For more information, contact us at:

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