12 Volt Day/Night Sensor for Low Voltage DC

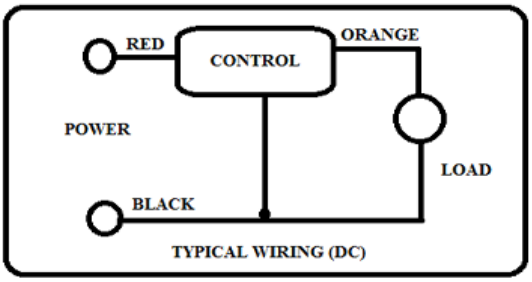
LED lights up to 120 Watts

Instruction Manual

1. Turn power off at fuse or breaker box before attempting installation of photocontrol.
2. Make sure that your photocontrol voltage rating matches the DC power source.
3. Be sure that the load rating of the photocontrol is not exceeded.
4. Be sure to position the controller so that the light sensitive “window” is turned in the direction of the greatest amount of natural light and away from the load. Artificial light may affect the operation of the controller during night conditions.
5. Controller can be mounted on or in any approved weatherproof outdoor box. Screw stem into ½” -14 threaded hole. It can also be mounted in a ½” knockout (7/8” hole).
   NOTE: Be sure to use suitable tape or sealant on nipple threads.
6. Wire as follows:
   a. Positive of power source to the **RED** wire of the Controller
   b. Negative of power source to the **BLACK** of the controller and to the load negative (Note: on a lamp load this would be the outside of the socket)
   c. **ORANGE** wire of controller connects to the positive side of the load (Note: on a lamp load this is usually the center pin or contact)
7. On the LCS series a slide adjustment is provided to adjust the turn "on"/"off" light level. Covering the eye will cause the unit to turn "on" earlier.

12 & 24 VDC Wiring Diagram

Red - Plus DC (+)
Black - Minus (-)
Orange - Load



IMPORTANT: Controller has a 2-3 second time delay. Load will remain “on” when first energized. To test load: place a lightproof cover over window and allow a few seconds for controller to operate. If load blinks on and off, check to ensure that load or other artificial light is facing away from controllers eye. Adjust if necessary.

Do not install control with wires facing up unless you are sire water cannot enter near wires.

Do not exceed 16 volts on 12 VDC models. Exceeding those limits will damage the control. In some cases you may want to consider an external fuse.

