

Smartpower 50 Photocell Troubleshooting Guide

If the transformer is not turning the lights on or off at the desired ambient outdoor light condition you may need to change the photocell threshold. If photocell reading does not get below the threshold setting the lights will never turn on, if the reading does not get above the threshold the lights will never turn off. Be sure to set power supply into Dusk till Dawn (dd) mode or any of the timer's hour settings (1h-8h) before continuing.

Preferred method using smartphone

- To access this setting, connect to the Power Supply via the "**Smartpower 50**" application on your Apple or Android device, and navigate to the **Advanced** tab. (Figure 1)
- The factory default threshold is set at 35%. (Figure 1)
- Lights will only turn on when **Photocell Reading** percentage is below **Photocell Threshold** percentage for 30 seconds or longer.
- To test that the photocell is working, wrap 2 layers of black electrical tape around the photocell (Figure 2). The **Photocell Reading** should update to about 5% or less after 30 seconds. Once you confirm the reading remove the tape and the reading should update after 30 seconds to near 100% if in daylight.
- To set the **Photocell Threshold** properly, wait until the ambient outdoor light condition is at the desired level for when the lights are to come on (dusk). Press the "**Set**" button next to Photocell Threshold in the app. (Figure 3). If the outdoor lighting condition stays the same the lights should turn on in about one minute.

Alternate method without smartphone

- Wait until the ambient outdoor light condition is at the desired level for when the lights are to come on (dusk).
- With the power supply in the dusk till dawn or timer modes **press and hold** the "**Set Photocell**" button on the transformer. PS will show on the display, hold for 15 seconds (Figure 3)
- Lights will flicker to indicate that the new threshold is saved. If the outdoor lighting condition stays the same the lights should turn on in about one minute.

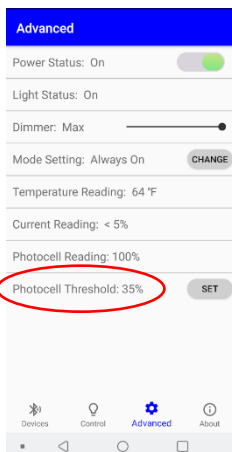


Figure 1



Figure 2



Figure 3