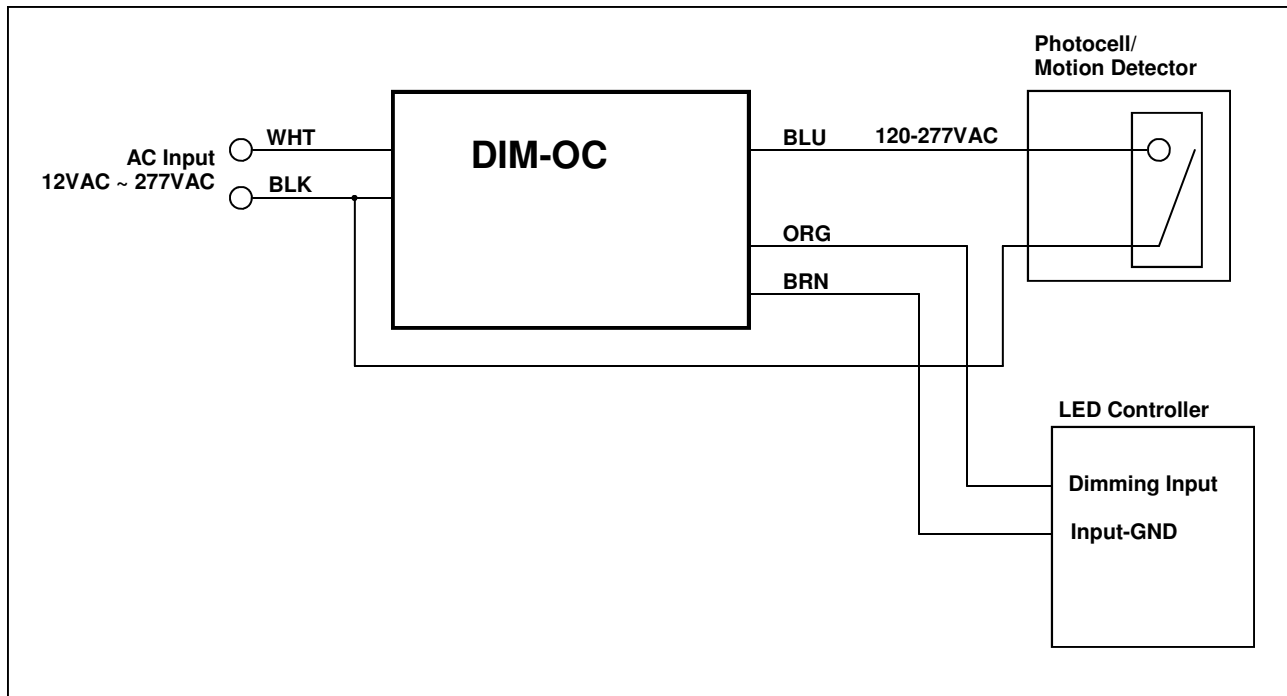


### 1.0 General Description:

The Dimming Controller model DIM-OC is used to integrate motion control into existing LED lighting systems. The DIM-OC is powered from a 120V to 220V AC source and accepts an isolated output from a motion detector or photocell module. The input of the DIM-OC is not isolated. Consult SSP if an isolated input is required. When the input is pulled low the output changes state from 50% to 100%. The LED control output is fully isolated from the AC input.

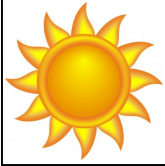
### 2.0 Wiring:

The Dimming Controller model DIM-OC is connected to a lighting system as follows:



### 3.0 Signal Descriptions:

- AC Input:** The WHT input wire should be connected to AC common, BLK to hot. These connections are intended to be reversible. Note: Do not connect any wire to earth ground.
- Detector Input:** The output changes from 50% to 100% when an AC voltage is present on The BLU wire. The AC input can be any value from 100V-277V, This input is also compatible with logic levels and switch closure type sensor.
- LED Control Output** Connect the BRN wire to the signal ground of the LED controller. Connect the ORG wire to the dimming control input. This signal is a universal type which may be used with 0-5V inputs, 0-10V input, or 0-12V input. The signals carried on the BRN and ORG wires are fully isolated (5000V isolation) from the rest of the system. **Note: the DIM-OC can drive up to 10 each of LED drivers.**



### 4.0 Specific Applications:

The following are wiring diagrams for various LED drivers:

