PART No.	DESCRIPTION
WPC-5700	▪ The WPC-5700 sensor regulates dimmable ballasts to maintain a constant light level even if natural ambient light changes. ▪ The WPC-5700 sensor is ceiling mounted and measures light reflected upward from the surface below. ▪ The WPC-5700 is connected to the 2 control wires of the dimmable ballast. Up to 50 ballasts can be connected in parallel to the same sensor. ▪ All adjustments are conveniently located under the front, snap-on cover. Instructions are printed inside the cover for easy user reference.

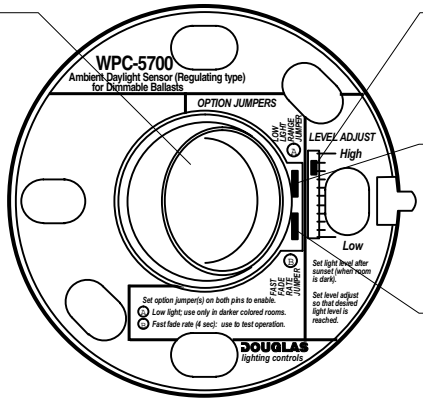
WPC-5700 Regulating Daylight Sensor

(Front view of sensor with snap-on cover removed)

Swivel Eyeball

Use swivel of eyeball to align sensor away from reflections or direct light.

Sensor element is recessed so that side lighting effects are minimzed.



Set Point Adjustment

Set slider to light level desired.

High Sensitivity Jumper Pins

In dark colored rooms, short pins with jumper provided to increase sensitivity.

Fast Fade Rate Jumper Pins

To test unit, short pins with jumper provided for fast fade speed.

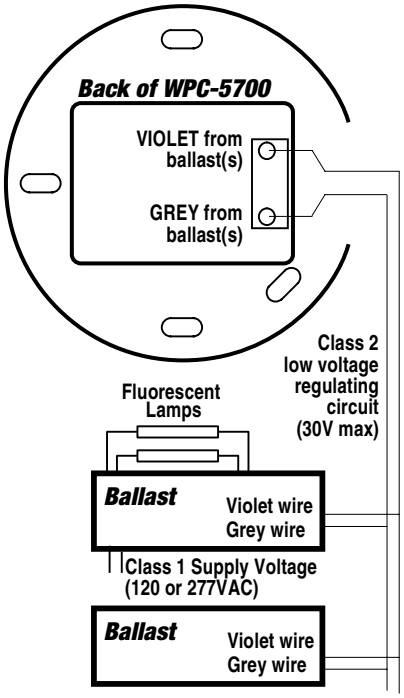
INSTALLATION & CONNECTIONS

Positioning

- The sensor measures the light reflected from the surface below. Direct light from uplights or light reflected from shiny surfaces (polished floors) will yield poor results.
- Avoid measuring the light reflected from a desk top. The reflectivity of a desk top can change significantly depending upon the amount of paper on the desk. Good results are obtained when the sensor is aimed at a part of the room that has constant color and receives a representative sample of both natural and artificial light. Brief changes caused by people passing underneath the sensor will have no effect if the slow response speed is selected.

Adjustment

- Adjustment is best done when there is no natural light present (at night or when blinds are drawn). If a light meter is available, lay it on the surface that is to be illuminated. Adjust the sensor until the meter measures the desired illumination level. If a meter is unavailable adjust light level to an acceptable visual value. (Note: When adjusting sensor, always stand to one side to eliminate the effect of your body on the sensor reading).
- If the room has dark surfaces (example: dark brown carpets), very little light will be reflected to the ceiling where the sensor is. In this case select the sensitive range with the "Low Light Range" selection jumper. If the room has light colored surfaces use the less sensitive range.



SPECIFICATION

Input/Output

- The power to run the WPC-5700 is obtained from the control wires of the dimmable ballast.
- Connect the control wires of all the dimmable ballasts in parallel to the WPC-5700 (see connections). Use to control from 1 to 50 ballasts.
- The WPC-5700 regulates the current in the control wires which in turn regulates the light level output by the ballast.
- The maximum wire length to the furthest ballast should not exceed 300' (100m).

Compatible Ballasts

- Compatible with dimmable electronic ballasts that use the 0-10V control method.
- Connections are polarity sensitive. If WPC-5700 is malfunctioning, check polarity of all ballasts connected.

Adjustments

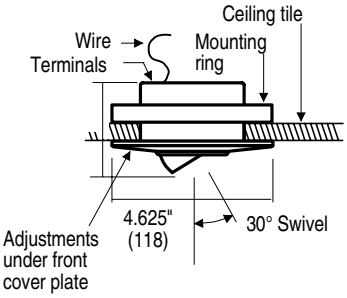
- The light level is set with the slider control on the snap-on front cover.
- Two light ranges are selectable.
- Quick and delayed response speeds are selectable.

Environment

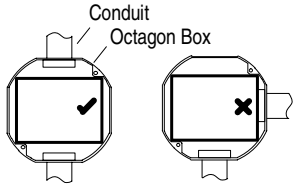
- Indoors, stationary, non-vibrating, non-corrosive atmosphere and non-condensing humidity.
- Ambient operating temperature: +15° to +120°F (-10° to +50°C).

DIMENSIONS & MOUNTING

- Unit attaches to mounting ring with screws or it can be mounted to an octagon box.



- The WPC-5700 fills an octagon box. It is very important that conduit be attached at opposite ends of the box.



- Use a 2" or more deep box. If the box is 1.5", use the mounting/spacer ring.