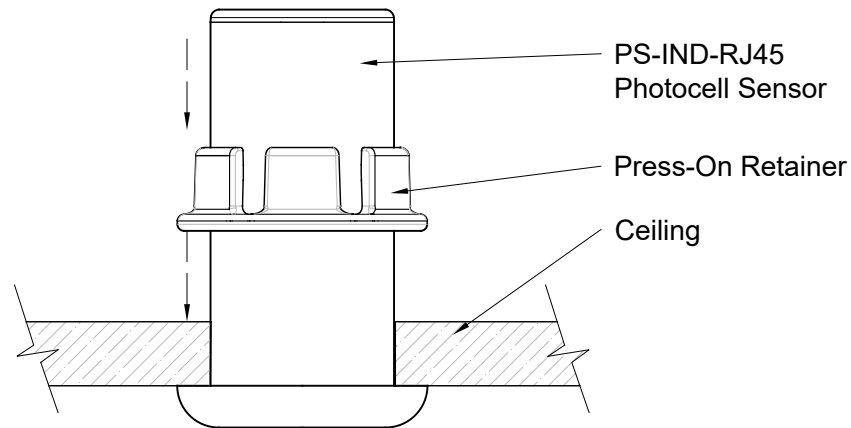


LightSync Photocell Sensor Indoor RJ45 Installation Details



Indoor Photocell Sensor RJ45 Installation

- Drill 1.125 (29mm) to 1.25 (32mm) hole in ceiling material
- Install sensor in ceiling using the press-on retainer
- Connect to panel using CAT-5 cable

Placement of the sensor head for an indoor application will vary greatly depending on the space to be controlled. There are variables that need to be considered such as reflectivity of room surfaces, location of natural light sources such as windows and skylights, and location of electrical light sources such as recessed ceiling or pendent light fixtures. Proper placement of the photo sensor head will also depend on the operation scenario desired at the location.

Open Loop Scenario: *Monitors the incoming natural daylight levels and not the electrical lights.*

In this scenario the photo sensor head should be placed in a location where it is primarily affected by natural light sources, such as being mounted in a skylight cavity or within a few feet of the window surface, where it will be only marginally affected by the room's electrical lighting.

Closed Loop Scenario: *Monitors the reflected light levels within the space including natural daylight and electrical lighting.* In this scenario the photo sensor head should be positioned so that it is equally affected by both the natural daylight and electric light sources. Placement shall be roughly between the rows of linear lights and the natural daylight sources.

The photocell sensor head can be mounted in the ceiling, skylight, light-well or lighting fixture. Mount the photocell sensor to measure the light for one of the above scenarios. Be sure when mounting in or near a lighting fixture, that the light does not directly enter the photocell eye.