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Installation and Operation Instructions

DLC-7

Continuous Dimming Control

General

1. Please read these instructions carefully to prevent any possible injury or equipment damage.
2. Installer must be a qualified and experienced service technician.
3. Verify the product rating to confirm that this product will satisfy your requirements and application.



Introduction

The DLC-7 sensor is designed to work directly with an electronic dimming ballast such as the Advance (TM) Mark VII. It is ideal for daylight control or task tuning and to compensate for lumen depreciation. The sensor is available in an indoor version only and is intended to be ceiling mounted. Refer to figure 1 for mounting location and recommendation.

Installation

Mount the sensor in a 3/8" hole in the false ceiling tile using

The DLC-7 sensor comes equipped with a built in amplifier and a 20 turn potentiometer to adjust the limits of the sensor. Plug the adjustment tool (tube screwdriver) through the hole in the sensor with slight inward pressure and twist to engage the potentiometer screw head.

NOTE: BE CAREFUL NOT TO SHIELD WHAT LIGHT THE SENSOR IS SEEING WHEN ADJUSTING THE SENSOR.

1. Calibration for Daylight Control

At night or with the blinds closed, rotate the adjustment tool counterclockwise (looking at the adjustment hole) until the lights begin to dim. Slowly rotate the tube back clockwise just until the lighting comes back up to full output. The lights are now set to being dimming as the light level from the outside increases.

2. Calibration for Task Tuning or Lumen Depreciation

Slowly rotate the adjustment counterclockwise (to dim) or clockwise (to brighten) until the desired light level is present.

When calibration is complete remove the calibration tool and insert the plastic screw to seal the hole.

Operation

The DLC-7 sensor is functioning when the electronic dimming ballast are switched on. Once calibrated the sensor needs no further attention. Except for the calibration hole, there are no switches or other user controls on the sensor.

Maintenance

Every 2 months wipe the lens clean with a non-scratching clean cloth and ensure that no foreign debris remains. Check the housing for damage such as cracks, burns or other deformations.