Catalog Number:	Date:	Project:

OVERVIEW

The GR2400 family of Photosensors are available in a variety of styles for indoor or outdoor use, supporting daylight harvesting or switching applications on GR2400, Micropanel, or BlueBox LTD products. The following styles are available:

1. 2-Wire Global Indoor Photosensor may be combined with a photocell card to provide up to 14 different trigger points, each controlling a unique relay group in as many as 64 relay panels. Each dimmer may be separately controlled to maintain a unique light level.

2. 3-Wire Local Indoor Photosensor is used with the *Micro*Panel, Blue Box LTD, or other integrated distributed control panels which have on-board photosensor inputs such as XPoint devices.

3. 3-Wire Local Indoor Slimline Photosensor is the same as 3-Wire Local Photosensor but with a smaller footprint making it ideal for mounting directly onto luminaires.

4. 2-Wire Global Outdoor Photosensor may be combined with a photocell card to provide up to 14 different trigger points, each controlling a unique relay group in as many as 64 relay panels. Each dimmer may be separately controlled to maintain a unique light level.

GR 2400™
Photosensor

2-Wire Global

3-Wire Local

3-Wire Local Slimline

2-Wire Outdoor

FEATURES

- Small and discrete ceiling or fixture mounting options
- Extended sensitivity range; no adjustment needed
- Low voltage power

SPECIFICATIONS

2-WIRE GLOBAL INDOOR
- Mounting Diameter: 1"
- Sensitivity: 0-100 fc
- Application: Indoor Switching or Preset Dimming (Open or Closed Loop)

3-WIRE LOCAL INDOOR/SLIMLINE
- Mounting Diameter: 3/4" or 7/16"
- Slimline Mounting Diameter: 0.276" / 7mm
- Sensitivity: 0-100 fc
- Application: Indoor Continuous Dimming (Open or Closed Loop)

2-WIRE GLOBAL OUTDOOR
- Mounting Diameter: 1/2" KO (0.875"), gasket not included
- Sensitivity: 0-1000 fc
- Application: Outdoor Switching (Open Loop)

Warranty

Three-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

ORDERING INFORMATION

INDOOR PHOTOSENSORS	Example: PCELL 2WI

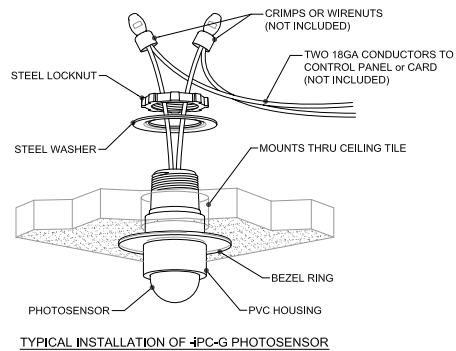| Photosensors	Photosensors Type and Subtype	
PCELL	2WI[1]	Two wire indoor, used with PCC3
	2WO	Two wire outdoor, used with PCC1 & PCC3
	3WI TZ	Three wire indoor, ten to zero, used with MICROPANEL & BLUEBOX LTD
	3WI ZT	Three wire indoor, zero to ten, used with xCELLA & xPOINT WIRED
	3WI SLI TZ	Three wire, Slimline indoor, ten to zero, used with MICROPANEL & BLUEBOX LTD
	3WI SLI ZT	Three wire, Slimline indoor, zero to ten, used with xCELLA & xPOINT WIRED

1. 2WI Requires PCC3 control card: GR 2400 PCC3

DRAWINGS

GLOBAL INDOOR PHOTOSENSOR

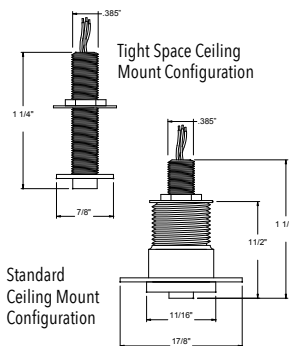## 2-Wire Indoor

Global Photosensor
Requires PCC3 control card

CRIMPS OR WIRENUTS
(NOT INCLUDED)

TWO 18GA CONDUCTORS TO
CONTROL PANEL or CARD
(NOT INCLUDED)

STEEL LOCKNUT

STEEL WASHER

MOUNTS THRU CEILING TILE

BEZEL RING

PHOTOSENSOR

PVC HOUSING

TYPICAL INSTALLATION OF IPC-G PHOTOSENSOR

LOCAL INDOOR PHOTOSENSOR

3-Wire Indoor

Local Photosensor for *Micro*Panels and BlueBox LTD (TZ) or XPoint (ZT)
Full Daylight Harvesting Features

Tight Space Ceiling
Mount Configuration

.385"
1 1/4"
7/8"

.385"
1 1/4"
1 1/2"

Standard
Ceiling Mount
Configuration

11/16"
17/8"

LOCAL & GLOBAL
INDOOR PHOTOSENSOR

SlimLine 3-Wire Indoor

Local Photosensor for *Micro*Panels and BlueBox LTD (TZ) or XPoint (ZT)
Global Photosensor requires a GR 2400 PCC3 card
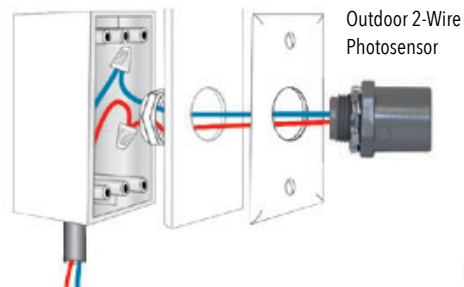Miniature Profile .276" dia. (7mm) hole in Luminaire

Retaining Washer

3#18 AWG whip

Luminaire

Strain Relief

SlimLine Photosensor

Lens Cap
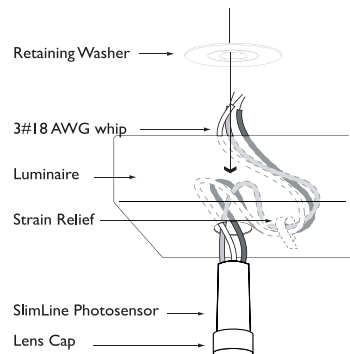
OUTDOOR PHOTOSENSOR

2-Wire Outdoor

Global Photosensor
Requires GR2400 PCC1 or GR2400 PCC3 control card

Bell Box or
outdoor-rated
enclosure

Outdoor 2-Wire
Photosensor

Note: 1/2" KO, gasket not included