Synergy® LIGHTING CONTROLS

Catalog Number	
Notes	Type

Integrated Systems

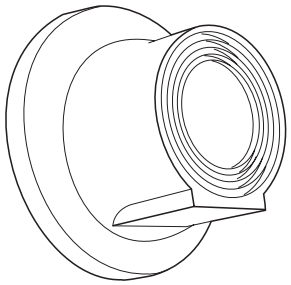
ISD DPC

Dimming Photocell

FEATURES

The Equinox® dimming photocell connects directly to compatible electronic dimming ballasts with Class 2 low-voltage control wire for effective fluorescent lighting level control. The photocell automatically maintains a constant preset light level in response to the availability of natural daylight.

- Class 2 low-voltage device
- One to 500 footcandles response range
- Daylighting control
- Lumen depreciation maintenance
- UV-stable white ABS housing with flat Fresnel lens
- Immediate or extended fade time response
- Accurate 20-turn calibration potentiometer at sensor
- Connects directly to a maximum of 80 compatible ballasts
- Connects to load controller for single or multi-circuit control
- CSA certified



Equinox®

ORDERING INFORMATION

Example: **ISD DPC**

ISD DPC

Series

ISD DPC

Accessories

Order as separate items.

ISD BC Ballast controller

ISD DPC Dimming Photocell, Equinox

SPECIFICATIONS

FUNCTION

- Automatically maintains a constant preset lighting level in response to the availability of natural daylight (daylighting) and/or automatically maintains a constant preset light level over the life of the lighting system (Lumen Depreciation Maintenance). One to 500 footcandles response range incident on lens ± 1% at 70°F. Immediate or extended fade time response to light level changes.

CONSTRUCTION

- Low-profile, UV-stable white ABS housing with flat Fresnel lens.

INSTALLATION

- Mounts directly to ceiling tile with double-sided tape.

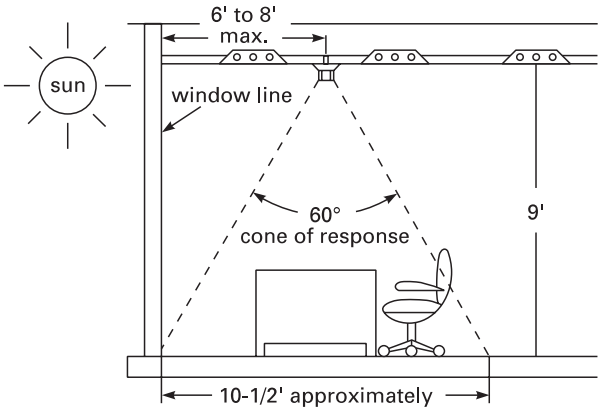
ELECTRICAL

- Controls a maximum of 80 compatible electronic dimming ballasts or connects to a load controller for single-circuit or multi-circuit control.
- Class 2 low-voltage operation, 40 mA maximum DC current.
- Connects to LEQ FDBI for control of Lutron Hi-Lume or ECO-10 dimming ballasts.
- Compatible ballast control ranges (Subject to change without notice; contact ballast manufacturer for current specs.):

Advance Mark VII, RDC Series	100% to 20% continuous
Advance Mark VII, RZT Series	100% to 5% continuous
Motorola Helios	100% to 10% continuous
MagneTek Ballastar	100% to 20% continuous
Lutron ECO Series	100% to 10% continuous
Lutron TVE Series	100% to 10% continuous
ELI, SmartStart	100% to 25% continuous

APPLICATIONS

Install near the fixtures being controlled or central to the circuit being controlled. The cone of response of the photocell (60^0) must contain the area that is lit by the fixtures being controlled. The cone of response area must not contain any artificial uplight (i.e., desk lamp). For day lighting, the photocell should be installed 6' to 8' from the window line, depending on ceiling height, so the cone of response is only the work area inside the actual window line.



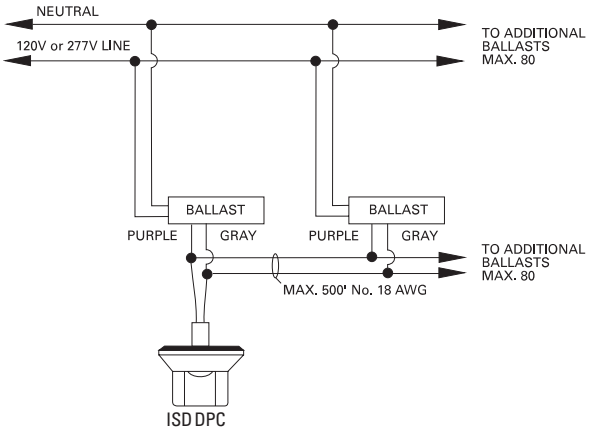
In fully daylighted buildings, the perimeter zones parallel to the windows furnishing the daylight should have a photocell that controls each zone.

DIMENSIONS

All dimensions are in inches (millimeters).

Series	Width	Depth	Height
ISD DPC	2 (51)	2 (51)	1-1/4 (32)

WIRING DIAGRAM



Notes:

1 Do not mix power and low- voltage wiring in the same conduit.
2 Total network wire run is 500 ft. (152 m) maximum with No. 18 AWG (.9mm^2).
3 For long ballast control wiring runs, or where there is excessive electrical noise, shielded cable or cable in conduit is required.

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An AcuityBrands Company

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