

OVERVIEW

The Analog Photosensor is an ambient light sensing device that connects to a Synergy™ panel, Synergy remote station, nLight™ ARP Relay Panel, or SwitchPak™ lighting control panel as an analog input. The photosensor provides control of lighting in response to ambient light conditions.

FEATURES

- Indoor and outdoor applications
- Color compensated to provide accurate readings
- Easy mounting
- Class-2 wiring
- Linear response curve
- Multiple set-points from a single photocell when used with Synergy or SwitchPak panels
- Daylight-compensating or daylight-tracking operation
- Switch or dim loads
- Compatible with the nLight ARP Relay Panel

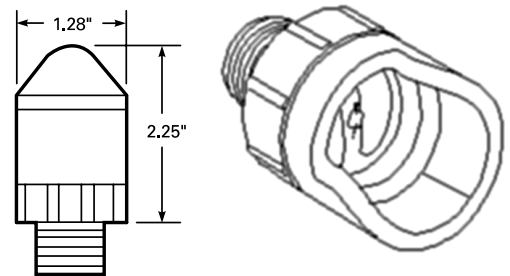
Warranty

3-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.



LSA APS
Analog Photosensor



ORDERING INFORMATION

Example: LSA APS OL		
LSA	APS	
Series	Photosensor	Mounting type
LSA Synergy System Accessory	APS Analog photosensor	OL Outdoor (0-100 FC) S Skylight/atrium (0-10,000 FC)

SPECIFICATIONS

MECHANICAL

- Indoor Sensor – Mounts to accessible ceiling with supplied adhesive backing, within 6-8 feet of windows, central to the area being controlled. Optional canopy mounts to 4" square box by others.
- Outdoor Sensor – Integral 1/2" ID threaded fitting mounts to standard 1/2" conduit opening; locate on roof or other exposed structure that is not shaded or exposed to night time illumination.
- Skylight/Atrium Sensor – Integral 1/2" ID threaded fitting mounts to standard 1/2" conduit opening; mount in atrium facing upward near the glazing as far out from the wall as possible. In skylight applications, mount facing upward near center of skylight away from shadows.

CONSTRUCTION

- Material – Cycloact™ UV stabilized plastic.
- Color – White.
- Type – Blue enabled photo-diode.

ENVIRONMENTAL

- Operating Temperature: -40°C - 60°C (-40°F - 140°F).

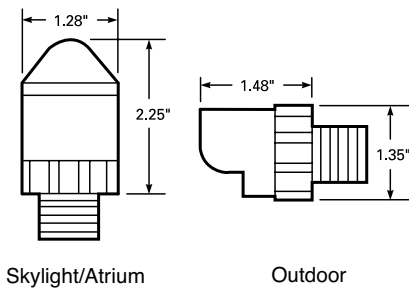
FUNCTIONAL

- Response – Linear to ambient light level over entire range. Single set point with deadband to prevent cycling or linked to outputs for multi-step or variable response; transmit up to 100 steps onto Synergy network.
- Field of View:
- Indoor Sensor – 60° Fresnel lens minimizes effects of stray light.
- Outdoor Sensor – Omni-directional with hooded aperture to shield sensor from direct light, epoxy encapsulated to seal out moisture.
- Skylight/Atrium Sensor – 180° field of view with dome diffuser.

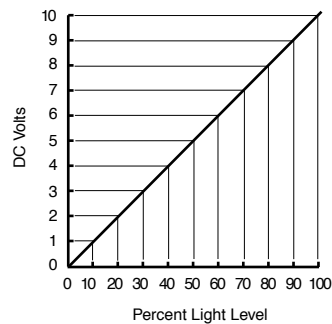
ELECTRICAL

- Accuracy – +/- 1% at 70°F (21°C)
- Input Voltage – 24 VDC, Class 2, supplied by Synergy power module, 3 conductor #18 AWG.
- Output Range: (see chart below)
 Outdoor – 0-100 Fc = 0-10 VDC
 Outdoor – 0-1000 Fc = 0-10 VDC
 Skylight/Atrium – 0-10,000 Fc = 0-10 VDC

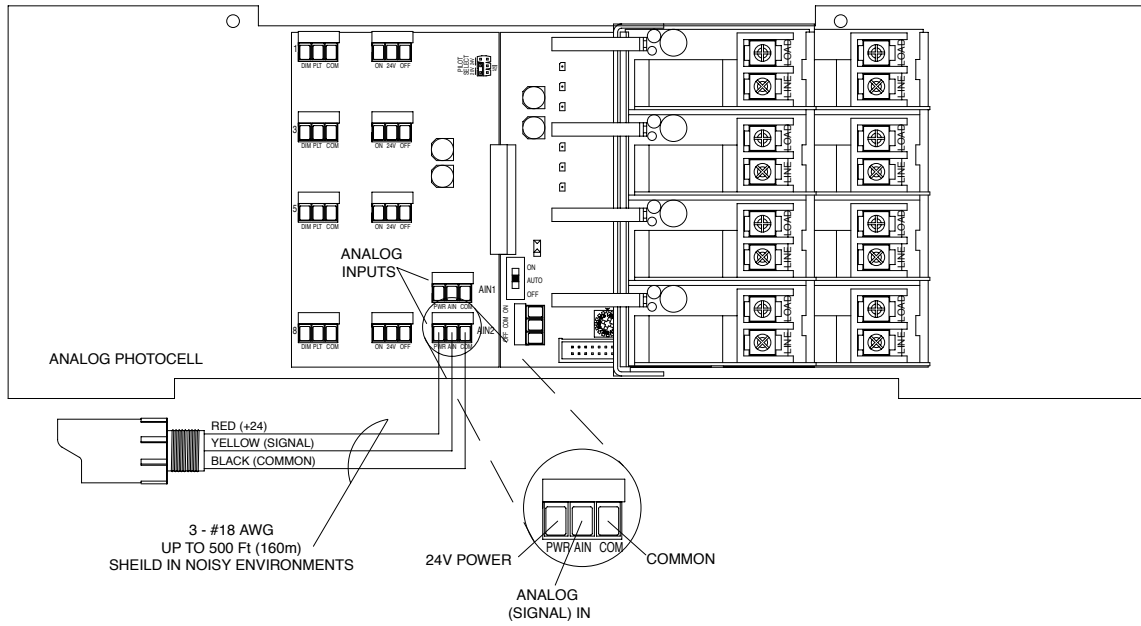
DIMENSIONS



OUTPUT RANGE CHART



WIRING DIAGRAM FOR SYNERGY



WIRING DIAGRAM FOR NLIGHT ARP

