

Project		Catalog #		Type	
Prepared by		Notes		Date	



Greengate

PC Series Analog Photosensor

24VDC powered Photocell sensor

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Product Certification



Product Features



Top Product Features

- Supplies network lighting control panels with analog input
- Indoor and outdoor ranges
- Wide and narrow sensing heads
- Light level readings and thresholds are available to all panels on the network

Order Information

This is an accessory for the Greengate ControlKeeper Lighting Control Systems. It is not an integral part of the system. There is no factory assembly needed.

Catalog Number

Daylighting Sensors

used with Greengate, CKM, CKT & CK4A Lighting Control Panels

Catalog Number	Description	Standard FC Range	Lens
PC-I (Indoor)	Downward	0-100 FC	Clear Fresnel
PC-O (Outdoor)	Horizontal	0-250 FC	Clear Flat
PC-A (Atrium)	Horizontal	2-1000 FC	Opaque Dome
PC-S (Skylight)	Upward	10-2000 FC	Dark Dome

Product Specifications

Key Features

- Photosensors use a lens to gather light energy and provide an electrical signal to a controller device that is proportional to the measured light level
- The controller adjusts the artificial light contribution based on the light level measurement. The sensor sensitivity is fixed and based upon the sensor range selected

Mechanical

Sensor Type: Blue-enhanced photodiode

Sensor Range:

Daylighting Sensors - used with CKM, CKT & CK4A Lighting Control Panel

- Standard FC Range
 - PC-I Indoor 0-100 FC
 - PC-O Outdoor 0-250 FC
 - PC-A Atrium 2-1000 FC
 - PC-S Skylight 10-2000 FC

Please contact Technical Support for more information.

Environment:

- **Operating temperature:** -40°F to 158°F (-40°C to 70°C)

Electrical

Input Voltage: 24 VDC

Output Voltage: 0 VDC full output

Output Offset: 0 VDC or 1 VDC analog - total darkness

Wiring: Three conductors 18 gauge standard cable

- Red: Pos. DC input
- Black: DC common
- Yellow: Output

Standards/Ratings

- cULus Listed - Energy Management Equipment (UL916)

Warranty

Consult website for warranty information

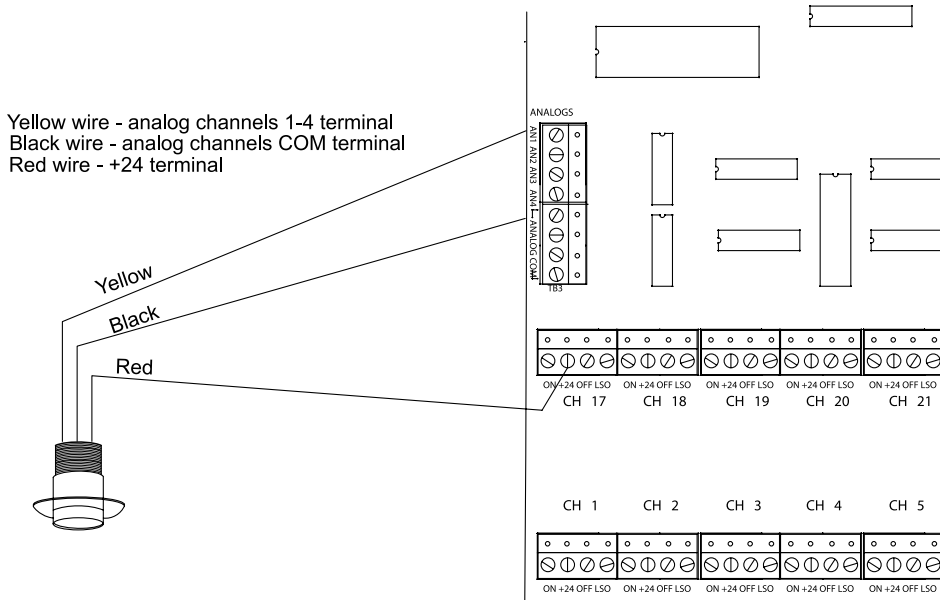
Installation

This system accessory will require mounting and wiring at the site. Outdoor photosensors should be mounted on the roof facing north and not pointing at any artificial light source. Indoor photosensors should be mounted in the space they are controlling and located as to not have any direct artificial light contribution. No adjustments are made at the photosensor. Switching thresholds are set remotely at the controller or via software.

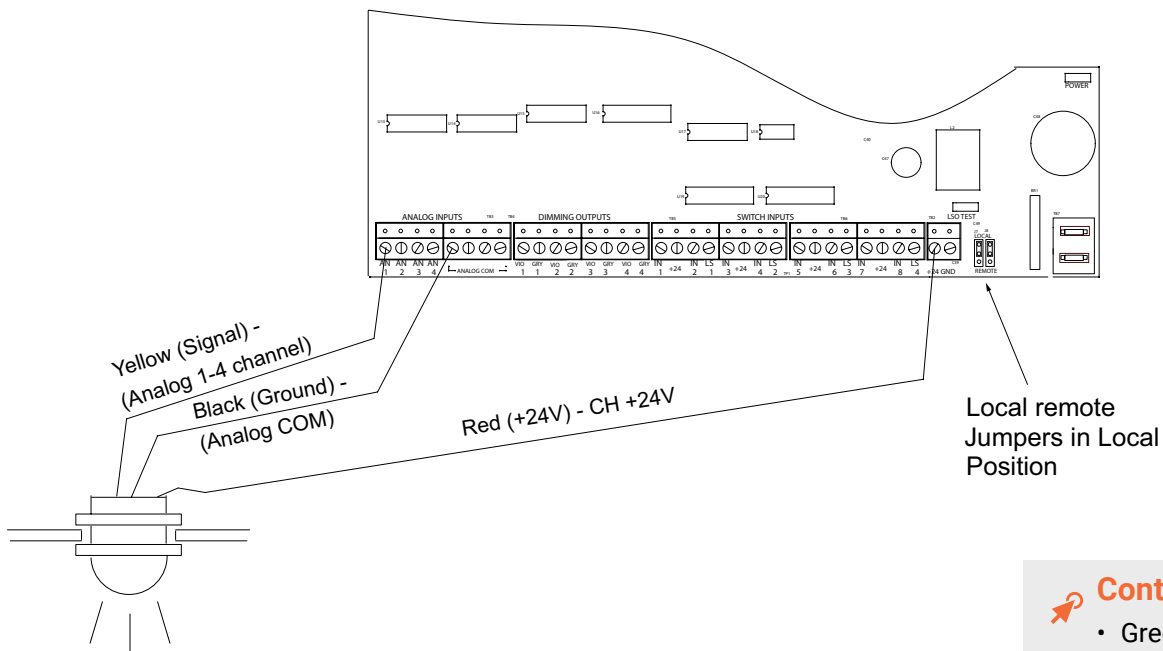
Wiring Diagrams

Daylighting Sensors - used with Greengate Lighting Control Panel

CKT with Interior Photocell



CK4A with Photocell



Control Systems
• Greengate