Leviton Switching Photocell and Dimensions® D4000

A COMPLETE, SIMPLIFIED SOLUTION FOR DAYLIGHT HARVESTING

Create a simple daylighting system using a Dimensions® D4000 lighting controller and a switching photocell. Combining a switching photocell with a new or existing D4000 system is a cost-effective solution with minimal installation requirements.

LED READY

PROBLEM

Commercial facility with Dimensions D4000 system requires a simplified switching lighting control solution with zone and scene control benefits.

- Solution must provide switching of lighting loads when ambient daylight is present in the space for energy savings
- Solution must meet ASHRAE Standard 90.1 2016 requirements for daylight harvesting
- Existing facility already contains a Dimensions system for architectural lighting control
- Facility contains LED or other lighting loads

SOLUTION

Combine switching photocells with a Dimensions D4000 lighting controller for a quick, effective daylight harvesting solution.

- Switching photocell communicates with the D4000 controller to trigger a daylighting scene when enough ambient light is present in the space, and a normal scene when light falls below the set point
- Solution meets ASHRAE 90.1 Sections 9.4.1.4 and 9.4.1.5 for Automatic Daylighting Control
- Switching photocell works with new or existing D4000 controllers
- Switching photocell provides a low-cost solution with significantly less installation requirements than more complicated centralized or distributed lighting control systems
- Switching photocell and D4000 are LED ready for 0-10V LED or other lighting loads

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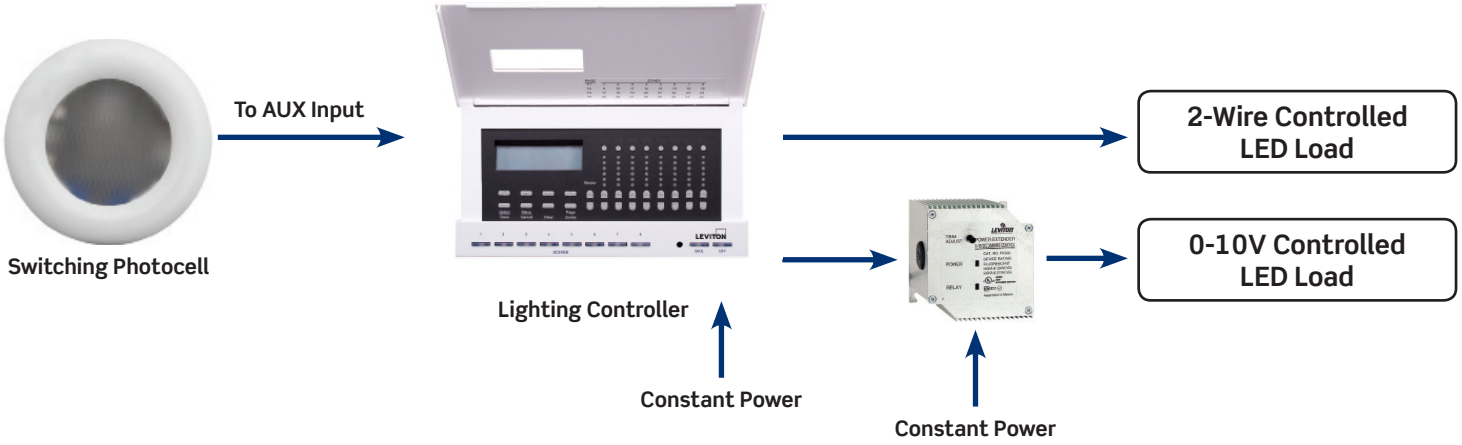
Switching Photocell and D4000 Lighting Controller Daylighting Solution



Configuration and Programming Notes:

- Connect the switching photocell to the AUX input of the D4000
- Connect the lighting loads and/or power extenders to the D4000
- Set the switching threshold at the photocell
- Program scenes including “daylighting” and “normal” at the D4000 controller
- Configure scheduler, load types and other standard configuration options at the D4000 controller
- Configure the D4000 AUX/Occ Input for the active state to trigger the “daylighting” scene
- Configure the D4000 AUX/Occ Input for inactive state to trigger the “normal” scene

D4000 Controller:

- Recommend the D4104, D4106, D4206 or D4200 controller depending on desired configuration and load control type. Refer to data sheet for additional information

WHAT YOU WILL NEED

Switching Photocell and D4000 Lighting Controller Daylighting Solution		
	**Dimensions D4000 Controller | D4xxx** • Scene-based architectural lighting controller NOTE: Refer to data sheet for configuration and load type information	**1**
	**Switching Photocell | ODC0P-S0W** • Communicates with D4000 Controller to prompt daylighting scenes based on ambient lighting	**1**
	**Power Extender | PE300-D0W** • Recommended for certain configurations and loads—see data sheet NOTE: Required when load type is 1-10V controlled load. D4000 controls 120V 2-wire loads only. Other power extenders are available, refer to the data sheet for more information.	**1**

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