Simple, Integrated Daylighting and Scene Control
Easy solutions for energy savings and occupant comfort

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.

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
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

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<th>Switching Photocell and D4000 Lighting Controller Daylighting Solution</th>
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<td><strong>Dimensions</strong> D4000 Controller</td>
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<td>**Switching Photocell</td>
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Disclaimer: This document is for informational purposes only. Each project will have its own specific requirements for satisfying ASHRAE 90.1 and Title 24 code compliance based on a variety of factors. Other exceptions or details may apply. Review the code for specific requirements and/or consult with a professional advisor. Leviton Mfg. Co., Inc. is not responsible for any loss resulting from the use of any information found in this document. Solutions are subject to change without notice. For additional assistance, contact your local Leviton representative.

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