



Photocontrol Package for SWS

- ◆ Optional control module for photosensitive control of exterior lighting
- ◆ Package includes photocontroller and external photocell
- ◆ Automatic interface with either Network Clock or BMS Interface Module
- ◆ Deadband and five-minute ON/OFF delay to eliminate cycling
- ◆ User-selectable Operate or Test mode
- ◆ Real time LCD display of actual exterior light level
- ◆ One year warranty



Component Information

An optional control module for The Watt Stopper Smartwired Switching System (SWS), the Photocontrol Package combines a dataline device plus external photocell for exterior lighting control. The module operates with either of the SWS control and automation modules (Network Clock or BMS Interface Module) to provide proven lighting automation scenarios for up to eight different lighting groups.

Operation

The Photocontrol Package includes both the HPCU8SS dataline photocontroller and the HPSA outdoor photocell. Together, these components compare actual outdoor light levels with setpoints defined by the user and programmed into either the Network Clock or BMS module. The photocell transmits light level data from its exterior location to the photocontroller. This dataline device then transmits a control signal to either the Network Clock or BMS module, which implements the appropriate control scenario: dark ON/OFF, or dark ON/scheduled OFF. By selecting the Test mode of operation, a system administrator can test system operation before deploying it.

Features

Users may select a control setpoint for each of up to eight automation channels in an SWS panel to satisfy specific control needs for different exterior lighting applications. For instance, ON/OFF setpoints for security and parking lighting typically range from 2-20 footcandles, while setpoints for signage lighting range from 20-200 footcandles. Each channel also features an LED that indicates how the actual exterior light level corresponds to that channel's programmed setpoint (red means the light level is lower than the setpoint, green indicates that the light level is higher than the setpoint, and no color indicates that there is no setpoint for that channel). In addition, the control module includes an LCD that displays the actual exterior light level in real time as well as the user-selected setpoint. To avoid cycling due to intermittent light level changes, the Photocontrol Package features a five-minute ON/OFF delay as well as a deadband.

Applications

The preprogrammed control scenarios available with the Network Clock or BMS Interface Module for use with the Photocontrol Package are ideal for the most common exterior lighting control needs: security, parking, and signage. Typically, users will select dark ON/dark OFF for security lighting. For non-security lighting such as parking lot lighting or signage, the dark ON/scheduled OFF scenario is more commonly used.

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Photocontrol Package Technical Information

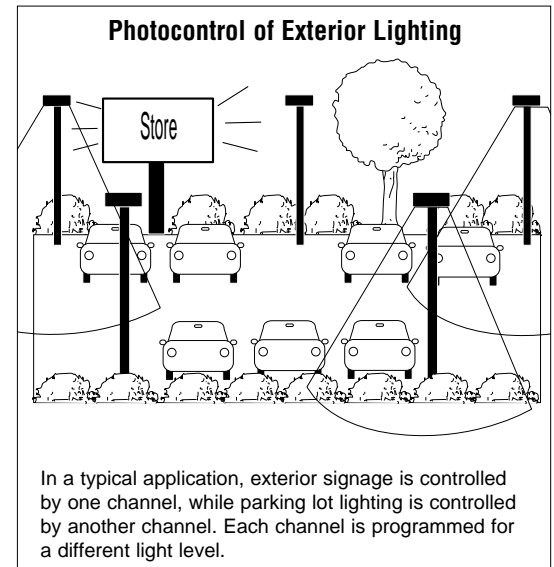
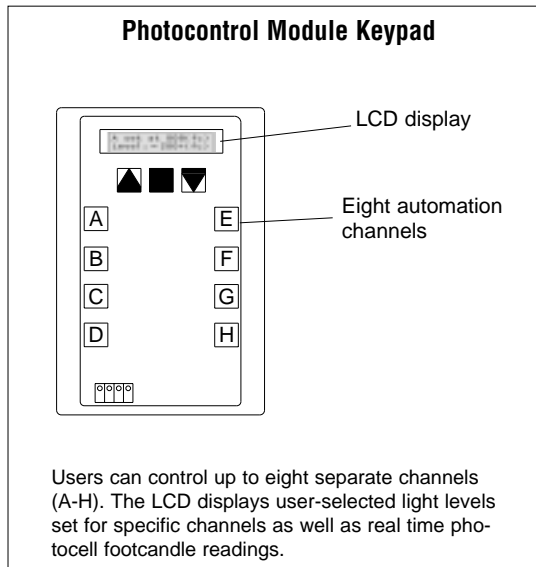
Specifications

- ◆ Package includes dataline photocontroller and external outdoor photocell
- ◆ User-defined light level setpoints for each of eight system channels
- ◆ Automatic deadband and five-minute ON/OFF delay to prevent lamp cycling
- ◆ Photocell footcandle range from 0 - 200
- ◆ Displays real time footcandle readings from photocell and user-selected setpoint
- ◆ Bi-color LED indicates dark/not dark status for each channel
- ◆ Automatic interface with either Network Clock or BMS Interface automation modules
- ◆ User-selectable Operate or Test mode
- ◆ DIN rail mounting
- ◆ One year warranty

Ordering Information

Catalog No.	Description
HPCP8SS	Photocontrol Package Module with Photosensor

Module Controls & Application



Wiring & Layout Diagrams

