



Luxstat Low Voltage Wall Switches

Installation and Operating Instructions

Hubbell Building Automation

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DESCRIPTION

The Luxstat Low Voltage Wall Switches are designed to provide a user interface and control of Luxstat Daylighting Control Modules. With a configuration that fits standard, single gang wall boxes and an architecturally pleasing appearance, these devices provide a solution for applications where low voltage switch input is required.

SPECIFICATIONS

- Supply voltage: 24VDC
- Pilot LED Current: 10mA Nom. @ 24VDC (LUXSTATSW2AUTO and LUXSTATSW4 versions only)
- 1, 2 and 4 button versions available
- Accepts standard decorator style wall plate (Not Included)
- Available in White or Ivory
- Fits standard single gang wall box
- Two-year warranty

PRECAUTIONS

- **CAUTION: FOR USE WITH CLASS 2, LOW VOLTAGE SYSTEMS ONLY. DO NOT USE IN HIGH VOLTAGE APPLICATIONS.**
- Read and understand all instructions before beginning installation.
- NOTICE: For installation by a licensed electrician in accordance with National and/or local Electrical Codes, the instructions of the system to be interfaced with, and the following instructions.
- NOTICE: For Indoor use only.

- **CAUTION: USE COPPER CONDUCTOR ONLY.**
- Confirm device ratings are suitable for application prior to installation. Use of device in applications beyond its specified ratings or in applications other than its intended use may cause an unsafe condition and will void manufacturer's warranty.
- NOTICE: Do not install if any damage to product is noticed.

INSTALLATION

1. Prepare the installation site, as necessary, to install the Luxstat Wall Switch.
2. Route 18 AWG, Class 2 cable with a quantity of conductors sufficient (Table 1) for the Luxstat control module to the wall switch location. Maximum lead length must not exceed 150 feet.

Luxstat Switch	# Cable Conductors
LUXSTATSW1	2
LUXSTATSW4	7 – LUXSTATDCM 5 – LUXSTATOCM
LUXSTATSW2AUTO	5
LUXSTATSW2DIM	3

Table 1 – Number of cable conductors needed per switch.

Note: Low voltage wiring **must be** isolated from line voltage wiring. Consult National and Local Electrical Codes for conduit requirements.

3. Wire the Luxstat Wall Switch to the Luxstat controller according to the controller's instructions and the appropriate Wiring Diagram below.

Note: Wiring Diagrams can also be found at www.hubbell-automation.com.
4. Install the Luxstat Wall Switch into the wall box using the mounting screws provided. For Luxstat Wall Switches with multiple buttons, note proper "up" orientation as shown on the product label. Install decorator style wall plate (not included).
5. Perform system setup and/or programming activities as applicable in accordance with the instructions of the Luxstat control module.

- Verify switch functionality by pressing the Luxstat Wall Switch button(s) and confirm proper system response.

OPERATION

Button control functions for the various Luxstat Wall Switches:

Manual On/Off Control Button: Overrides the Luxstat control module to provide manual on/off control of lighting load.

Note: In addition to the Luxstat Dimming Controller and Luxstat ON/OFF Controller, the Luxstat 1-Button Manual On/Off Switch (p/n LUXSTATSW1) can also be used with other Luxstat controllers including the Luxstat Single Zone Controller (p/n LUXSTATOCM1Z) and the Luxstat Day/Night Controller (p/n LUXSTATDNM).

Auto Button: Pressing the Auto Button puts the LUXSTATDCM or LUXSTATOCM controller into automatic operation mode. A pilot light in the button will turn on when the system is in Automatic Mode.

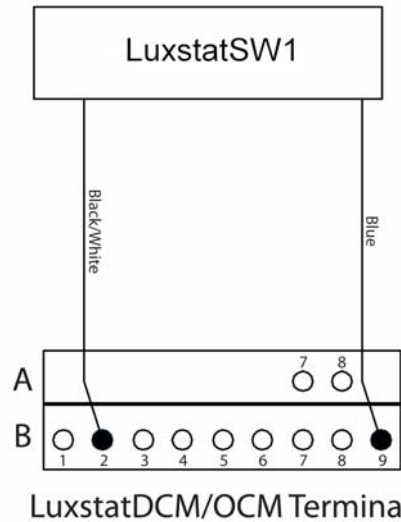
I/O Button: Pressing the I/O Button with the LUXSTATDCM or LUXSTATOCM controller in Automatic Mode puts the system into Manual Mode. While in Manual Mode, pressing the I/O Button will turn the lights on and off. A pilot light in the button will turn on when the system is in Manual Mode.

Dimming Buttons UP and DOWN: Used with the LUXSTATDCM controller only. When pressed, either of the buttons will put the LUXSTATDCM into Manual Mode (I/O Button pilot light will turn on). Press and hold the appropriate button to increase or decrease the light level. When the desired light level is reached, releasing the button will fix the light level at that level until the Dimming buttons are pressed again or the system is put into Automatic Mode via pressing the Auto Button.

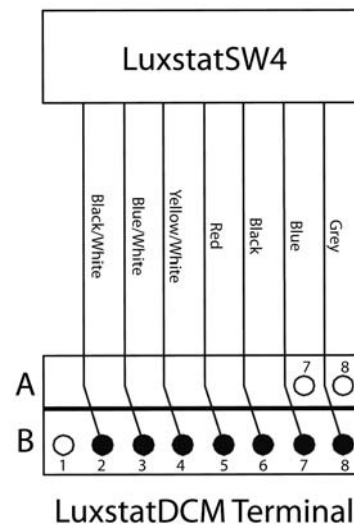
Note: Control features in the LUXSTATDCM sets minimum and maximum light levels and other options.

For additional information on switch functionality, reference the applicable Luxstat control module instructions.

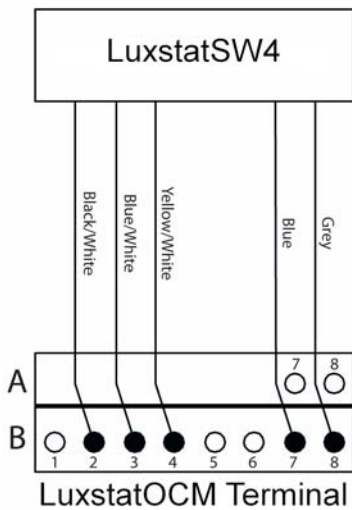
WIRING DIAGRAMS



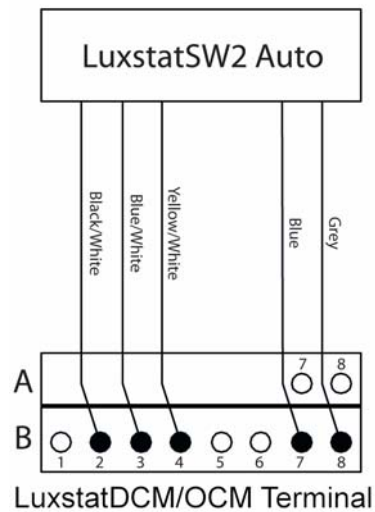
Wiring Diagram A – Luxstat 1-Button Switch (p/n LUXSTATSW1) wired to Luxstat Dimming Control Module (p/n LUXSTATDCM) or ON/OFF Control Module (p/n LUXSTATOCM)



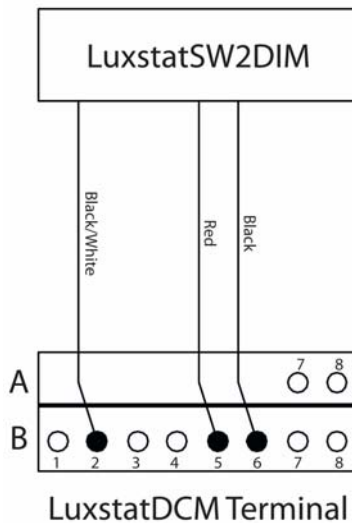
Wiring Diagram B – Luxstat 4-Button Switch (p/n LUXSTATSW4) wired to Luxstat Dimming Control Module (p/n LUXSTATDCM)



Wiring Diagram C – Luxstat 4-Button Switch (p/n LUXSTATSW4) wired to Luxstat ON/OFF Control Module (p/n LUXSTATOCM)



Wiring Diagram D – Luxstat 2-Button Auto/Manual Switch (p/n LUXSTATSW2AUTO) wired to Luxstat Dimming Control Module (p/n LUXSTATDCM) or ON/OFF Control Module (p/n LUXSTATOCM)



Wiring Diagram E – Luxstat 2-Button Dimming Switch (p/n LUXSTATSW2DIM) wired to Luxstat Dimming Control Module (p/n LUXSTATDCM)

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