



Building Automation, Inc.

wiHUBB® Switches

Installation Instructions

Hubbell Building Automation

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DESCRIPTION

Hubbell Building Automation's wiHUBB Switches provide manual control of the wiHUBB System. The wiHUBB Switches include an On/Off switch, a General-A/V switch that enables users to switch between General Lighting and Audio Visual Lighting, a High/Low/Off switch for bi-level lighting control, an On/Raise/Lower/Off switch, a Raise/Lower switch, a Timed On switch and a 4-button Preset switch. All wiHUBB Switches provide plug and play integration with the wiHUBB Smart Pack.

SPECIFICATIONS

- Power Requirements: Powered by wiHUBB Smart Pack SmartPORT using plenum rated SmartPORT plug and play cables for wiHUBB Switches (sold separately)
- Accepts standard decorator style wall plates (sold separately)
- For indoor use only
- Patents Pending
- Five year limited 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 and the following instructions.

- Disconnect switch or a circuit breaker must be provided and marked as the disconnecting device.
- Disconnect switch / circuit breaker must be within reach of operator.
- **CAUTION: RISK OF ELECTRICAL SHOCK.** Turn power off at service panel before beginning installation. Never wire energized electrical components.
- **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.
- Use only approved materials and components (i.e. wire nuts, electrical box, etc.) as appropriate for installation.
- **NOTICE:** Do not install if product appears to be damaged.
- **ALL EXCESS CABLE MUST BE REMOVED FROM WALL BOX PRIOR TO INSTALLATION.** Connection between CAT5 cable and switch connection port must remain straight and true without interference or pressure from excess or misaligned cable.

INSTALLATION

1. Prepare the installation site as necessary, to install the switch.
2. Turn power controlling the wiHUBB Smart Pack off at the service panel.
3. Plug the Blue SmartPORT cable into any available SmartPORT on the wiHUBB Smart Pack (See Figure 2). Verify solid snap-in connection.
4. Route the Blue SmartPORT cable from the Smart Pack to the switch. **NOTE:** Low voltage wiring **must be** isolated from line voltage wiring. Consult National and Local Electrical Codes for conduit requirements.

5. Plug the Blue SmartPORT cable into the switch. Verify solid snap-in connection.
6. If multiple switches are ganged together in the same wall box, daisy chain them together using the 3” Blue jumper cable. Switches located in different areas may also be daisy chained using longer SmartPORT cables. Verify solid snap-in connection(s).
7. **REMOVE ALL EXCESS CABLE FROM WALL BOX PRIOR TO INSERTION OF SWITCH(ES).** Connection between cable and

switch connection ports must remain straight and true without interference or pressure from excess or misaligned cable. It is recommended to test the functionality of the switch(es) prior to insertion in the wall box.

8. Reapply power at service panel.
9. Perform system setup and/or programming activities as applicable in accordance with the instructions of the wiHUBB Access Point or system programming device (sold separately).

SWITCH IDENTIFICATION

Model	No. of Button(s)	Button Label(s)	Function*
WIH-SW-OO	2	ON OFF	ON: Transmits ON command OFF: Transmits OFF command
WIH-SW-GAV	2	GEN A/V	GEN: Transmits Relay A ON / B OFF command A/V: Transmits Relay A OFF / B ON command
WIH-SW-HLO	3	HIGH LOW OFF	HIGH: Transmits ON command LOW: Transmits A ON / B OFF command OFF: Transmits OFF command
WIH-SW-ORLO	4	ON Up Arrow Down Arrow OFF	ON: Transmits ON command Up Arrow: Transmits RAISE command Down Arrow: Transmits LOWER command OFF: Transmits OFF command
WIH-SW-RL	2	Up Arrow Down Arrow	Up Arrow: Transmits RAISE command Down Arrow: Transmits LOWER command
WIH-SW-TO	1	ON	ON: Transmits TIMED ON command
WIH-SW-PRESET	4	PRESET 1 PRESET 2 PRESET 3 PRESET 4	PRESET n: Transmits: DO PRESET n command

*NOTE: Each command is transmitted to the switch’s assigned Area/Zone/Group

WIRING DIAGRAM

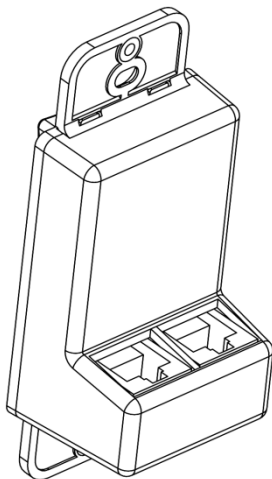


Figure 1: Back View

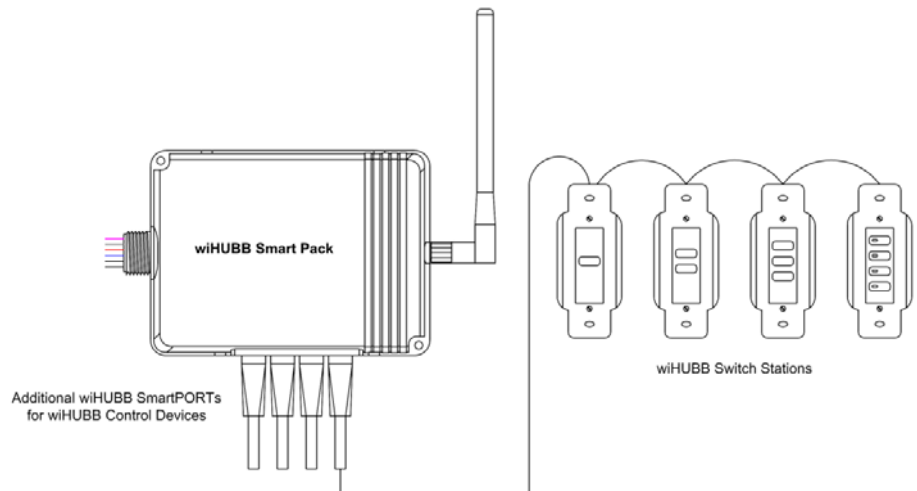


Figure 2: wiHUBB Switches connected to wiHUBB Smart Pack SmartPORT