



Building Automation, Inc.

## LX Keyed Switch Station - LXKEYILP

### Installation Instructions

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#### Overview

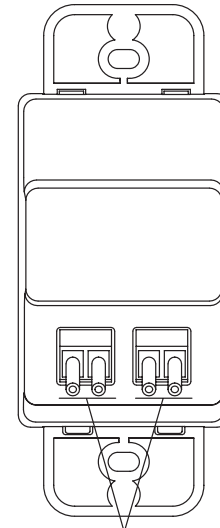
These instructions provide guidelines for setting up, installing, and programming the LX Keyed Switch Station.

#### Precautions

- **RISK OF ELECTRICAL SHOCK.** Turn power off at service panel before beginning installation. Never wire energized electrical components.
- For installation by a licensed electrician in accordance with National and/or local Electrical Codes and the following instructions.
- Indoor use only.
- Read and understand all instructions before beginning installation.
- **USE COPPER CONDUCTOR ONLY.**
- **NOTICE:** Do not install if product appears damaged.

#### Installation

1. Prepare the installation site as necessary. Rough-in wall switch boxes and route LON Network leads as necessary. Reference Open System Architecture Communication Network Section for additional information on the communication network requirements.
2. Assign Network Address as described in the Assigning Switch Station Network Address Section.
3. With the Link Power supply off, connect LON Network leads to the Switch Station as shown in the Wiring Diagram, Figure 1.
4. Attach wire connector from key switch on switch station cover to the connector on the circuit board as shown in Figure 2. The connector is not polarized and can be inserted in either direction.
5. Use the supplied screws to attach the stainless steel cover and the device in the wall switch box at the same time.
6. Apply Link Power to the system and verify that the Switch Station is powered. The green LED will light when the key is turned to the ON position.
7. Program Switch Station button controls and lighting system functionality as described in the Programming Switch Station Functions Section.



Connection to LP Network  
(Network Connections are  
wired together internally)

**LP Version**  
(view of back)

Figure 1: Wiring Diagram

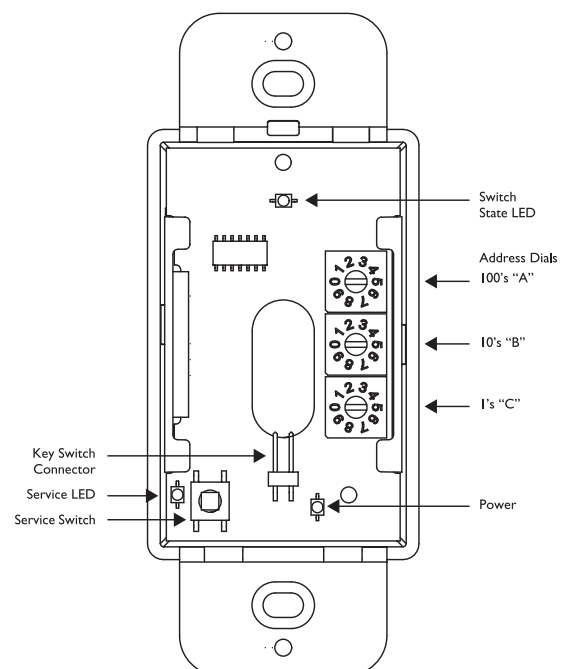


Figure 2: Keyed Switch Station Controls Diagram

### Assigning Switch Station Network Address

The Switch Station network address is set via three rotary dials located under the Switch Station face plate as shown in figure 2, Keyed Switch Station Controls Diagram. Each Switch Station is factory set to address 001 prior to shipping.

To set the Switch Station Address, rotate the dial(s) with the small, blade screwdriver till the indicator points to the appropriate number. Assign each Switch Station its address as delineated in the project plans as applicable. Dial “A” sets the most significant digit of the network address and Dial “C” sets the least significant digit of the network address. For example, address 001 is set by Dial A = “0”, Dial B = “0” and Dial C = “1”.

***Note:** For the purposes of addressing, an LX Keyed Switch Station should be considered the same as a standard LX Switch Station and numbered within that sequence without duplication.*

### Programming Switch Station Functions

Refer to the LX Lighting Controls User’s Manual to assign the Switch Station button(s) to the lighting circuit(s) and setup schedules and system functionality using the Touch Tablet Graphical User Interface.

***Note:** As of March 1, 2008 all HBA programming interfaces will recognize the Keyed Switch Station and provide a unique interface. Prior versions of programming interfaces will recognize the Keyed Switch as a standard LX Switch Station and the Button Programming options will be ignored. All other programming functions (mapping, naming, active/inactive times) will function normally.*

***Note:** If another device or schedule is programmed to control the same relay or group as the key switch, it is possible that the state of the relay will become out of sync with the position of the key switch. In this case, the key switch will need to be turned through an ON/OFF cycle to re-align the state of the key switch to that of the relay. This simple action will restore the normal action of the key switch.*

### Resetting the Switch Station

If needed, the Switch Station can be reset to factory default settings (except network address) by holding down the service switch until the switch state LED turns green. When changing the station address it is also necessary to cycle power to reset the station to the new address number.



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