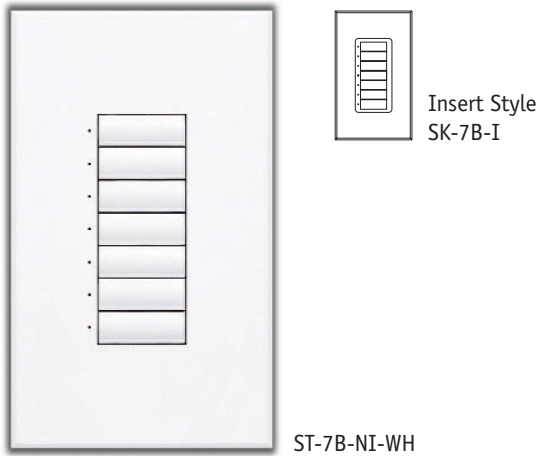
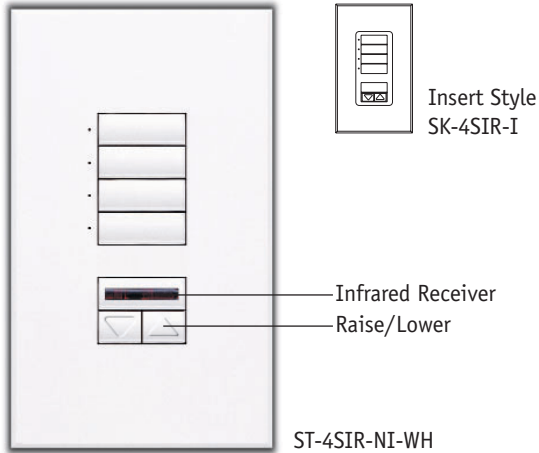
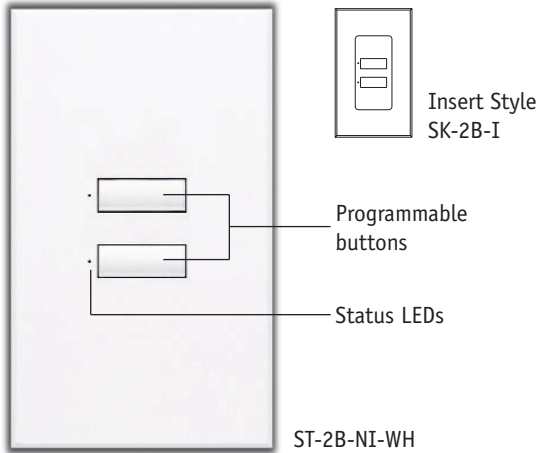


# HomeWorks Wired seeTouch Keypads (Domestic Models)



## DESCRIPTION

HomeWorks keypads, available in many styles, colors, and finishes, provide homeowners with a simple and elegant way to operate lights, shades, motorized screens, pumps, thermostats, and many other devices. Keypads have LEDs that provide real-time status indication. Custom engraving is available on Button/Faceplate Kits to clearly identify each button's function.

seeTouch keypads feature large, easy-to-use buttons, plus a unique backlit engraving option that makes the keypads readable any time of the day or night. seeTouch buttons are rounded, allowing engraving to be displayed at an upward angle, increasing readability. seeTouch keypads are available with one to seven buttons, allowing you to customize the number of functions to fit your need.

The flexible design even allows the number of buttons and the configuration of the buttons to be changed after the keypad is installed.

All seeTouch models have two contact closure inputs on the back of the unit which provide independent functions from the front buttons. Other options include configurations with infrared receiver and raise/lower buttons. Insert-Style keypads allow decorator-style controls to be easily ganged using standard Vareo® or Nova T☆® wallplates.

## MODEL NUMBERS

### Base Models

- ST-4SIR-NI-WH 4 Buttons, No Insert with Raise/Lower, Off, IR
- ST-5BRL-NI-WH 5 Buttons, No Insert with Raise/Lower
- ST-6BRL-NI-WH 6 Buttons, No Insert with Raise/Lower
- ST-7B-NI-WH 7 Buttons, No Insert

- ST-5BRL-I-WH 5 Buttons, Insert with Raise/Lower
- ST-6BRL-I-WH 6 Buttons, Insert with Raise/Lower
- ST-7B-I-WH 7 Buttons, Insert

- ST-NB-NONE Base Model with No Buttons or Plastic
- ST-NBIR-NONE IR Base Model with No Buttons or Plastic

See Ordering Process to determine the correct Base Model and Button/Faceplate Kit needed.

<b>JOB NAME:</b>	<b>MODEL NUMBERS:</b>
<b>JOB NUMBER:</b>	

**SPECIFICATIONS**

**Power**

Operating voltage: Low-voltage type Class 2/PELV, 15VDC.

**Key Design Features**

- Green status LEDs.
- Green button/engraving backlighting.
- Field-changeable button and faceplate assemblies make for easy customization.
- Front-located DIP switches allow change of address without removing the unit from the wall.
- Tested to withstand electrostatic discharge without damage or memory loss, in accordance with IEC 61000-4-2.
- Tested to withstand surge voltages without damage or loss of operation, in accordance with IEEE C62.41-1991 Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits.
- All terminal block inputs are over-voltage and miswire-protected against wire reversals and shorts.
- Has faceplate that snaps on with no visible means of attachment.
- Available as an "insert" style control for multi-ganging.
- Can be ganged to share a common faceplate with Lutron NovaT☆® and Vareo® dimmers.

- *seeTouch* keypads require a 1-gang U.S. wallbox.
- Use Button/Faceplate Kits to change color, button configuration, engraving, or to switch between insert and non-insert versions.

**System Communications and Capacity**

- Low-voltage type Class 2/PELV wiring connects keypads to processor.
- Each *HomeWorks* wired processor has three configurable links, each capable of directly controlling up to 32 keypads.
- Each *HomeWorks* wired processor can drive up to 300 keypad LEDs. Each *seeTouch* keypad counts as 15 LEDs. External power supplies may be used to drive an additional 350 LEDs.

**Connections**

Communications: One 4-pin removable terminal block. Each pin will accept two wires up to #18 AWG (1.0mm<sup>2</sup>). Refer to Class2/PELV Wiring.

Contact Closures: One 3-pin removable terminal block. Each pin will accept one wire up to #18 AWG (1.0mm<sup>2</sup>). Refer to Class2/PELV Wiring.

**Environment**

Ambient operating temperature: 0-40°C, 32-104°F, 0-90% humidity, non-condensing. Indoor use only.

**COLOR / FINISH CODES**

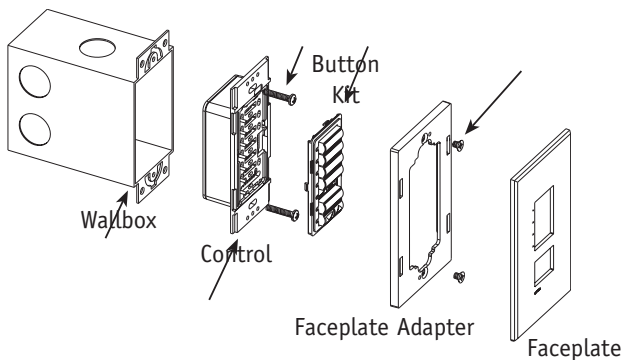
Faceplate Color	(code)	Back-lighting
<b>Matte Finishes</b> (Matching color buttons)		
White	(WH)	Button
Beige	(BE)	Button
Ivory	(IV)	Engraving
Gray	(GR)	Engraving
Brown	(BR)	Engraving
Black	(BL)	Engraving
Taupe	(TP)	Engraving

**Metal Finishes** (Black buttons)

Bright Brass	(BB)	Engraving
Bright Chrome	(BC)	Engraving
Bright Nickel	(BN)	Engraving
Satin Brass	(SB)	Engraving
Satin Chrome	(SC)	Engraving
Satin Nickel	(SN)	Engraving
Antique Brass	(QB)	Engraving
Antique Bronze	(QZ)	Engraving

Other button color combinations available at an additional charge. Custom Controls, color matching, and engraving available – Ships in 4 to 6 weeks. Pricing may vary depending on finish.

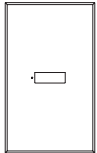
**MOUNTING**



<b>JOB NAME:</b>	<b>MODEL NUMBERS:</b>
<b>JOB NUMBER:</b>	

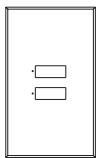
# No Insert Style

## BUTTON CONFIGURATIONS



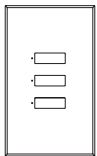
### 1 Button

Base Model: ST-7B-NI-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-1B-NI-XX



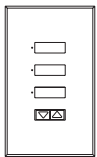
### 2 Button

Base Model: ST-2B-NI-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-2B-NI-XX



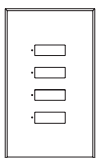
### 3 Button

Base Model: ST-7B-NI-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-3B-NI-XX



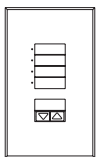
### 3 Button with Raise/Lower

Base Model: ST-3BRL-NI-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-3BRL-NI-XX



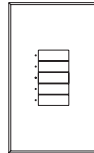
### 4 Button

Base Model: ST-7B-NI-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-4B-NI-XX



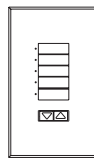
### 4 Button with Raise/Lower/Off

Base Model: ST-6BRL-NI-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-4S-NI-XX



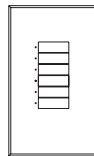
### 5 Button

Base Model: ST-7B-NI-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-5B-NI-XX



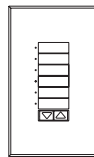
### 5 Button with Raise/Lower

Base Model: ST-5BRL-NI-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-5BRL-NI-XX



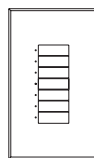
### 6 Button

Base Model: ST-7B-NI-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-6B-NI-XX



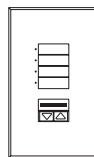
### 6 Button with Raise/Lower

Base Model: ST-6BRL-NI-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-6BRL-NI-XX



### 7 Button

Base Model: ST-7B-NI-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-7B-NI-XX



### 4 Button with Raise/Lower/Off (Infrared)

Base Model: ST-4SIR-NI-WH or ST-NBIR-NONE\*  
 Button/Faceplate Kit: SK-4SIR-NI-XX

\* ST-NB-NONE and ST-NBIR-NONE = Keypads with no buttons. Order this instead of the base model if the final color and button configuration/engraving are already determined.

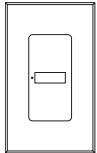
## ORDERING PROCESS

Choose the features and number of buttons desired. Order the Base Model listed. When the customer determines final engraving and color choices, Button/Faceplate Kits are ordered with the correct color and engraving. Note: Base Models are available in White or with no buttons/no plastic. "XX" in the Button/Faceplate Kit denotes Color/Finish Code.

<b>JOB NAME:</b>	<b>MODEL NUMBERS:</b>
<b>JOB NUMBER:</b>	

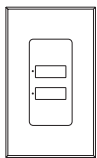
# Insert Style

## BUTTON CONFIGURATIONS



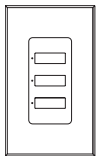
**1 Button**

Base Model: ST-7B-I-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-1B-I-XX



**2 Button**

Base Model: ST-7B-I-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-2B-I-XX



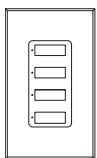
**3 Button**

Base Model: ST-7B-I-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-3B-I-XX



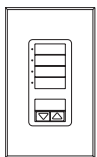
**3 Button with Raise/Lower**

Base Model: ST-6BRL-NI-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-3BRL-I-XX



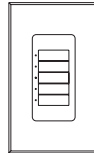
**4 Button**

Base Model: ST-7B-I-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-4B-I-XX



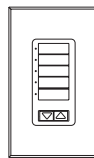
**4 Button with Raise/Lower/Off**

Base Model: ST-6BRL-I-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-4S-I-XX



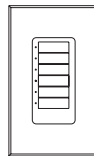
**5 Button**

Base Model: ST-7B-I-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-5B-I-XX



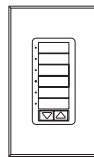
**5 Button with Raise/Lower**

Base Model: ST-5BRL-I-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-5BRL-I-XX



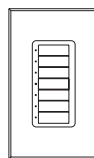
**6 Button**

Base Model: ST-7B-I-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-6B-I-XX



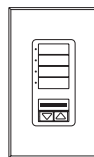
**6 Button with Raise/Lower**

Base Model: ST-6BRL-I-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-6BRL-I-XX



**7 Button**

Base Model: ST-7B-I-WH or ST-NB-NONE\*  
 Button/Faceplate Kit: SK-7B-I-XX



**4 Button with Raise/Lower/Off (Infrared)**

Base Model: ST-4SIR-NI-WH or ST-NBIR-NONE\*  
 Button/Faceplate Kit: SK-4SIR-I-XX

\* ST-NB-NONE and ST-NBIR-NONE = Keypads with no buttons. Order this instead of the base model if the final color and button configuration/engraving are already determined.

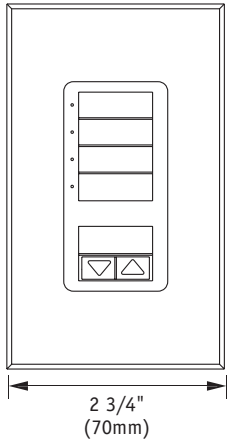
## ORDERING PROCESS

Choose the features and number of buttons desired. Order the Base Model listed. When the customer determines final engraving and color choices, Button/Faceplate Kits are ordered with the correct color and engraving. Note: Base Models are available in White or with no buttons/no plastic. "XX" in the Button/Faceplate Kit denotes Color/Finish Code.

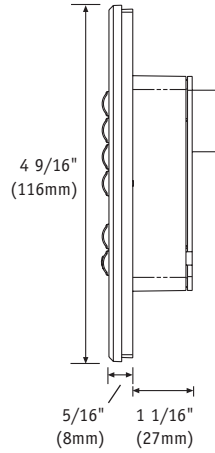
JOB NAME:	MODEL NUMBERS:
JOB NUMBER:	

**DIMENSIONS**

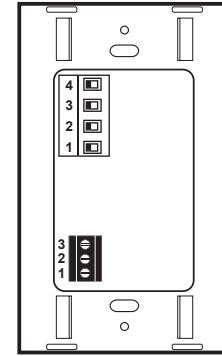
**Front View**



**Side View**

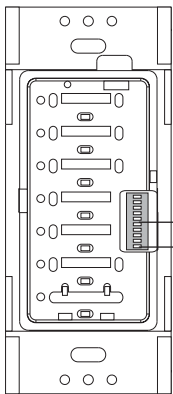


**Back View**



**Front View**

(faceplate removed)



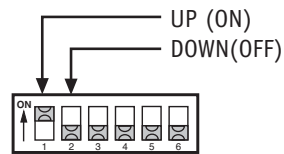
DIP switches 1-5 for setting address, DIP switches 6-10 do not affect keypad function.

**DIP SWITCHES**

Set DIP switches 1-5 to give the keypad the unique system address from 1 to 32.

Address #	Switch Settings	Address #	Switch Settings	Address #	Switch Settings	Address #	Switch Settings
	1 2 3 4 5 6		1 2 3 4 5 6		1 2 3 4 5 6		1 2 3 4 5 6
1	ON OFF OFF OFF OFF OFF	9	ON OFF OFF OFF OFF OFF	17	ON OFF OFF OFF OFF OFF	25	ON OFF OFF OFF OFF OFF
2	ON OFF OFF OFF OFF OFF	10	ON OFF OFF OFF OFF OFF	18	ON OFF OFF OFF OFF OFF	26	ON OFF OFF OFF OFF OFF
3	ON OFF OFF OFF OFF OFF	11	ON OFF OFF OFF OFF OFF	19	ON OFF OFF OFF OFF OFF	27	ON OFF OFF OFF OFF OFF
4	ON OFF OFF OFF OFF OFF	12	ON OFF OFF OFF OFF OFF	20	ON OFF OFF OFF OFF OFF	28	ON OFF OFF OFF OFF OFF
5	ON OFF OFF OFF OFF OFF	13	ON OFF OFF OFF OFF OFF	21	ON OFF OFF OFF OFF OFF	29	ON OFF OFF OFF OFF OFF
6	ON OFF OFF OFF OFF OFF	14	ON OFF OFF OFF OFF OFF	22	ON OFF OFF OFF OFF OFF	30	ON OFF OFF OFF OFF OFF
7	ON OFF OFF OFF OFF OFF	15	ON OFF OFF OFF OFF OFF	23	ON OFF OFF OFF OFF OFF	31	ON OFF OFF OFF OFF OFF
8	ON OFF OFF OFF OFF OFF	16	ON OFF OFF OFF OFF OFF	24	ON OFF OFF OFF OFF OFF	32	ON OFF OFF OFF OFF OFF

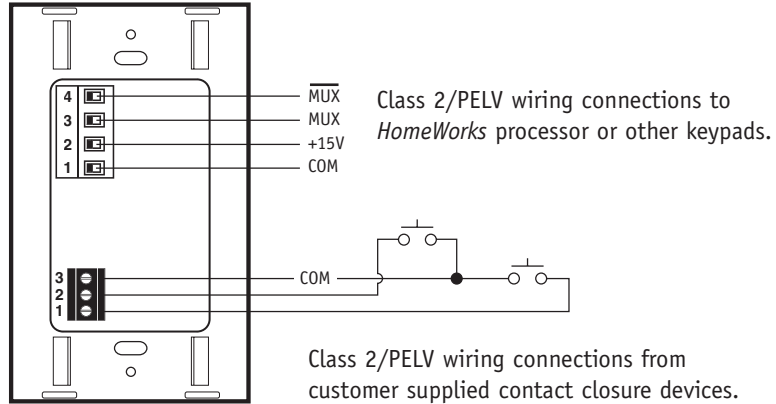
Example: Setting Switch #1 ON.



<b>JOB NAME:</b>	<b>MODEL NUMBERS:</b>
<b>JOB NUMBER:</b>	

**WIRING**

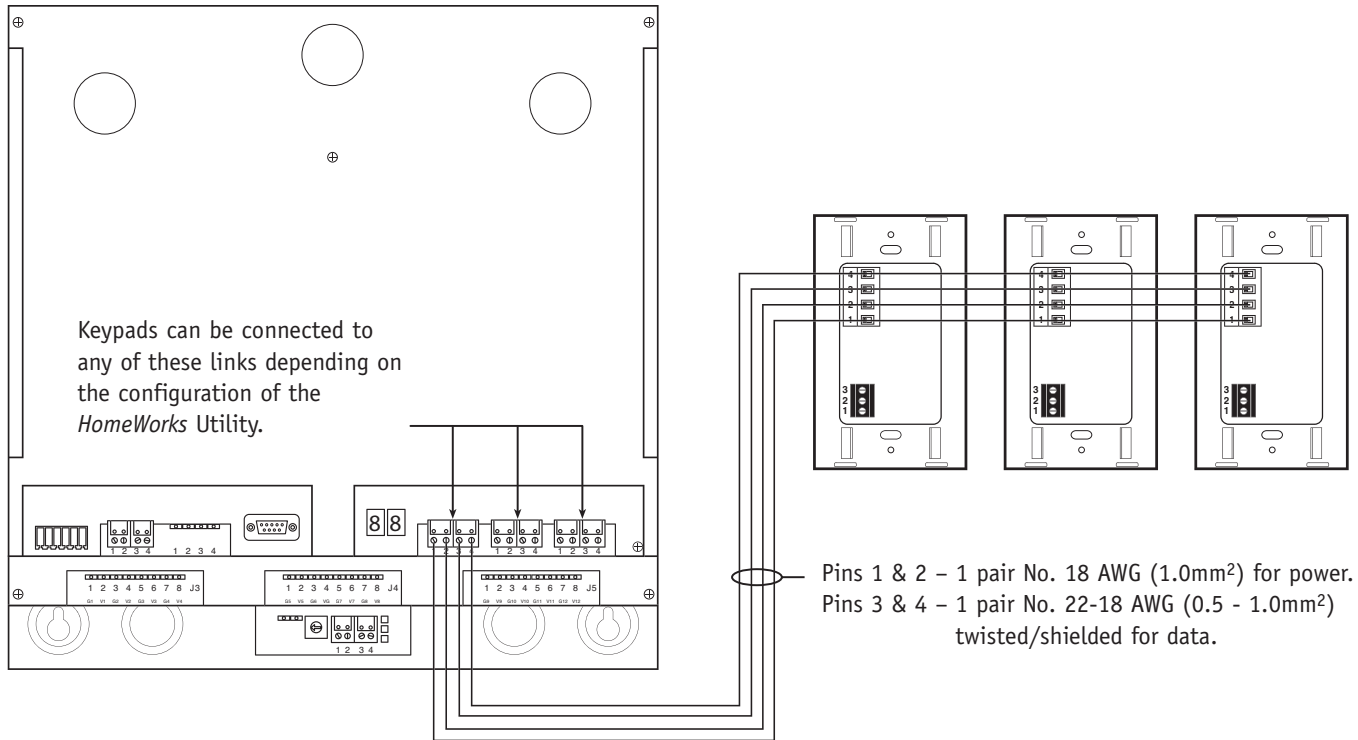
Keypad wiring may be in a daisy-chain, star or t-tap configuration. Each home run on a link may be up to 1,000 ft. (305m) and may contain up to 10 keypad devices. The total length of wire on that link (all home runs) may be up to 4,000 ft. (1220m). Up to 32 keypad devices may be placed on each processor link configured as a keypad link in the *HomeWorks Utility*. An external power supply may be required depending on the total current draw of all devices on that link.



1. Switch inputs must be dry momentary contact closures.
2. Switch closures must be from common to selected input.
3. Momentary switch inputs require a minimum closure time of 40 msec.

**WIRE TYPE**

Two pair [one pair #18 AWG (1.0mm<sup>2</sup>), one pair #22-18 AWG (0.5-1.0mm<sup>2</sup>) twisted shielded] Class 2/PELV. Lutron wire, model # GRX-CBL-346S-500, may be used.



JOB NAME:	MODEL NUMBERS:
JOB NUMBER:	