

## THERMOSTATIC KEYPAD SWITCH



### PRODUCT INTRODUCTION

APEX thermostatic keypad switch is an intelligent device that can be remotely controlled through Z-Wave network and radio waves. In the Z-Wave network communications, this product can be connected to any Z-Wave gateway. When using radio waves, this product can be used in conjunction with Z-Wave gateway. The frequency of radio waves used by gateway like this: different countries or areas, the radio frequency is different. Four internal relay can be work in two mode: four internal relay assigned to fan-coil with valve or used as normal light switch. Each buttons on each corner

has two act (short or long press, each one can be used for making scenario).

### SPECIFICATIONS

<b>Model number</b>	APX-MZWTK-4C
<b>Power requirement</b>	100 to 240VAC
<b>Power consumption</b>	<1W
<b>Wireless frequency</b>	868.4MHz EU (optional)
<b>Protocol</b>	Z-Wave / CAN-BUS (Optional)
<b>Operational temperature</b>	-10 to +70 °C
<b>Humidity</b>	5% to 90% non-condensing
<b>Weight</b>	0.2 kg
<b>Material</b>	Aluminum
<b>Face plate dimension</b>	86x86mm
<b>Temperature sensor accuracy</b>	+/- 0.1 °C Digital sensor

### ADD LIGHT SWITCH TO Z-WAVE NETWORK

1. Connect switch to power source, after making it powered, please do not operate it within lights blinking.
2. Make sure lights are fixed
3. Touch and hold top left button for 4 second, blue led indicators will be blinking (note that gateway must be in identify mode). When identify mode starting, blinking going green and wait to complete joining.
4. When joining is completed, all led light will be fixed, and top and button red led goes off.

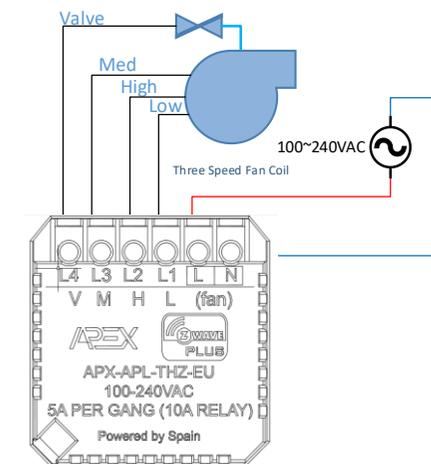
### REMOVE LIGHT SWITCH FROM Z-WAVE NETWORK

1. Make sure Light Switch is powered.
2. Set Z-Wave gateway into exclusion mode (Refer to gateway user manual)
3. Touch and hold top left button for 12 second, red led lights will blinking. If gateway is in exclusion mode, device will be removed from the network.

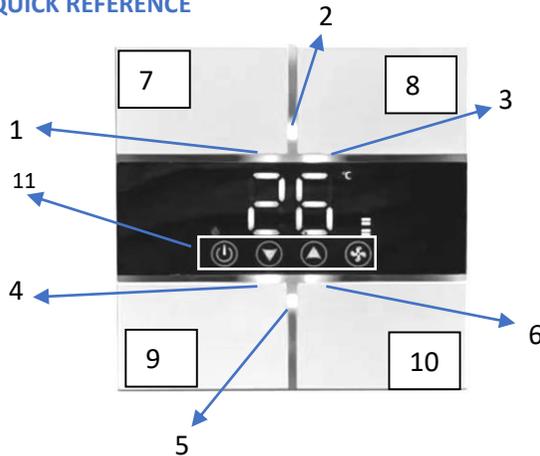
### RESET TO FACTORY SETTING

Touch and hold top left button for 12 second, red led lights will blinking then release the button and press and hold for one more time 12 second. Led lights blinking multi-color, central led will be red and it means the device restarted to factory setting

### WIRING DIAGRAM



### QUICK REFERENCE



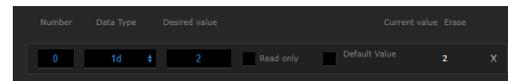
1	Button 1 LED status
2	System status
3	Button 2 LED status
4	Button 3 LED status
5	System status
6	Button 4 LED status
7	Button 1
8	Button 2
9	Button 3
10	Button 4
11	Temperature unit control buttons

Buttons	Description
	Thermostat on/off button <b>WHILE THERMOSTAT IS ON:</b> <b>LONG PRESS FOR 3SEC :</b> change mode (cool, heat, fan) <b>WHILE THERMOSTAT IS OFF:</b> <b>LONG PRESS FOR 3SEC:</b> active or deactivate temperature display on OFF mode
	Increase or decreases temperature set point

	Fan coil speed control: low, medium, high or Auto <b>LONG PRESS FOR 5SEC:</b> enable or disable temperature display <b>LOCK</b>
Button 1	Short and long press for make two scene <b>WORK AS JOIN AND DISJOIN FROM THE NETWORK BUTTON</b>
Button 2	Short and long press for make two scene
Button 3	Short and long press for make two scene
Button 4	Short and long press for make two scene <b>LONG PRESS FOR 12SEC :</b> disable or enable <b>CHILD LOCK</b>

### FUNCTION PARAMETERS

Go to the device configuration and then advance section on your gateway then click on add parameter as below:



Data type: 1d

Number	Desired value	Description
0	0: OFF, 1:ON, 2:Last state	Thermostat state when powering on
1	-3 to +3 degree	Temperature compensation
2	Off = 0, Red = 1, Green = 2, Yellow = 3, Blue = 4, Purple = 5, Cyan = 6, White = 7	Release button color LED status
3	Off = 0, Red = 1, Green = 2, Yellow = 3, Blue = 4, Purple = 5, Cyan = 6, White = 7	Press button color LED status
4	0~49	Standby brightness
5	51~100	Working brightness
6	0 ~ 10	Buzzer sound level

After changing any value, press the save button.

### INSTALLATION

This product is suitable for installation within a standard 86mm or Europe 60mm pattress box.



For installing or removing the face plate, please be careful that only push corners. Do not push side middle, it may damage this product. Look at the picture, green arrow shows that where must be push out for remove or push in for install.

### SERVICE

Your Thermostatic keypad switch carries 24 month warranty from date of purchase.