Touch Panel Switch

MH-S312H

Introduction

Touch Panel Switch is a wall switch with built-in Z-Wave module. It supports basic command class，multi channel command class and multi channel association command class, which can control all associated devices synchronously. This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from any other manufacturers.

Specifications

Power supply: 85-260VAC, 50/60Hz

Z-Wave frequency: 868.42MHz (EU), 865.2MHz (IN) or other frequency customized

Resistance load: 2*10A
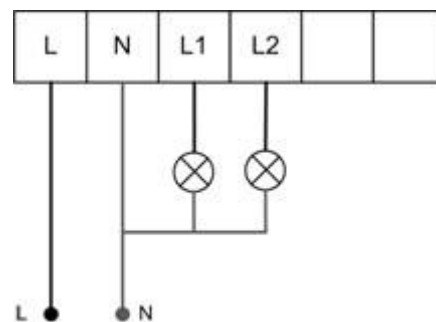
LED load: <10A each channel, inrush current 165A/ 20ms

Installation Instructions

IMPORTANT:
- A qualified electrician with the understanding of wiring diagrams and knowledge of electrical safety should complete the installation inside the main circuit box (normally outside your house)
- Read all instructions and documentation and save for future reference
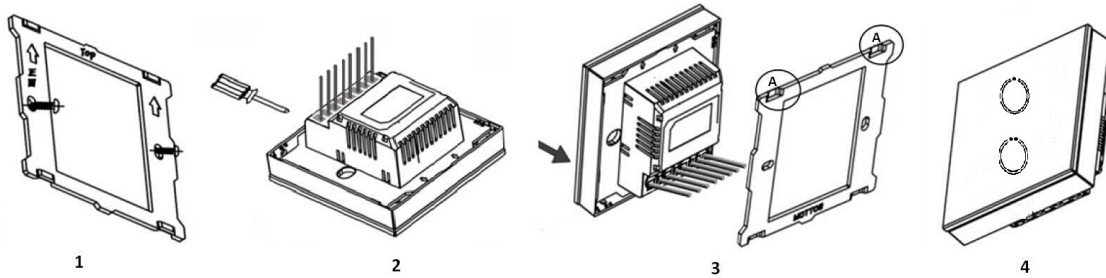
Step1 Preparing

CAUTION: Cut off power supply at circuit breaker or fuse before installation to avoid fire, shock or death!

Step2 Wiring   （standard strip length: 8-10mm）

1. Connect Hot Line to "L".
2. Connect Neutral Line to "N".
3. Connect Load wire to "L1&L2".

Step 3 Installation

Step 1: Remove the steel frame from the device, and secure it onto the junction box with two screws.

Step 2: Insert all wires into the right terminals and tighten screws.

Step 3: Attach the wired device on "A" points of the steel frame as shown first, and then push the whole device into junction box.

Step 4: Confirm the device is well mounted, power on and it is ready to operate.

Operation

INCLUDING the Touch Panel Switch into your network

1. Set controller into INCLUSION mode. Follow instructions provided by controller manufacturer.
2. Press and hold any key on the panel for 8 seconds.

Note: If inclusion is successful, all INDICATION LEDs on the panel will turn green, and all switches will turn on.

EXCLUDING the Touch Panel Switch from your network

1. Set controller into EXCLUSION mode. Follow instructions provided by controller manufacturer.
2. Press and hold any key on the panel for 8 seconds.

Note: If the exclusion is successful, all INDICATION LEDs on the panel will turn orange, and all switches will turn off. The exclusion will delete all association data.

Turning on/off the Touch Panel Switch

The Touch Panel Switch can be controlled by:

● Pressing any key.
● Sending commands through controller or gateway.（the command classes which support this function are Basic Command Class, Binary Command Class, Switch All Command Class, and Multi Channel Command Class.）

Multi Channel Control

The switch can be controlled by command "MULTI_CHANNEL_ENCAP" in the command class "COMMAND_ CLASS_MULTI_CHANNEL".

Byte	Name
1	COMMAND_CLASS_MULTI_CHANNEL
2	MULTI_CHANNEL_CMD_ENCAP
3	Source End Point
4	Destination End Point
5	COMMAND_CLASS_SWITCH_BASIC or COMMAND_CLASS_SWITCH_BINARY
6	BASIC_SET/BASIC_GET or BINARY_SET/BINARY_GET
7	Value (0xFF -- ON 0x0 -- OFF)

Refer to "Z-Wave Command Class" for detail information, or consult the information provided by controller/ gateway manufacturer.

Multi Channel Association

To set association groups by the command "COMMAND_CLASS_MULTI_CHANNEL_ ASSOCIATION".

The switch supports 3 association groups. The first two groups are used for switching associated devices（switch N controlling group N），and each group can support up to 5 nodes or terminals. The 3rd association group is used for reporting devices' state to the controller if any changes happen. This group supports one node, which defaults to controller node.

For the first two groups, the touch panel switch will send basic set command to related association groups when setting switch state by gateway or key-pressing. Then the switch states of associated devices and their related key will be synchronic. For the 3rd group, a report will be sent to associated controller by it when any state changes happen in other groups.

Restoring Factory Settings

Pls follow the EXCLUDING operation to restore the factory setting.

Safety Notice

1. Flush-mount only into a UL/ETL/CE certified plastic junction box. The minimum size should be 86*86*60mm, minimum Volume is 443cm^3.
2. Use Copper Conductors Only.
3. CAUTION - Risk of Electric Shock - More than one disconnect switch may be required to de-energize the equipment before servicing.

1-year Limited Warranty