MINOSTON ®

Z-Wave Outdoor Smart Plug

• MP22Z •



For outdoor use

(A) Manual / Program button

ADD / REMOVE: Press this button three times
Blue: Light status indicator
Blue: ADD / Inclusion
Purple: Remove / Exclusion
Red: Network Failure

(B) Smart Outlet

This is your smart outlet that will be included in your smart home.

(C) Protector

Insert in connector when not in use.



Use our screws and anchor to lock it in the wall. (optional)

Plug the light you want to control into the Smart plug controlled outlet.

NOTE: Plug directly into the outlet, do not use with power strip.



WARNING

Mount vertically with the receptacles facing downward and at least 2ft above the ground. For outdoor usage, use this product with ground fault circuit interrupter (GFCI) outlet.

Z-Wave Internet

The Internet of Things offers tremendous promise to consumers by enabling remote control and management of an ever-growing variety of connected devices—from home security systems to energy management, appliances and lighting, and remote home monitoring, just to name a few categories.
Analysts predict that billions of devices will be connected to the Internet of Things in the coming years. One key consideration is how all of these devices will be integrated and controlled, and common standards are key to enabling simple, straight forward installation and management of devices in the connected home.
The Z-Wave protocol is an interoperable, wireless, RF-based communications technology designed specifically for control, monitoring and status reading applications in residential and light commercial environments. Mature, proven and broadly deployed (with over 100 million products sold worldwide), Z-Wave is by far the world market leader in wireless control, bringing affordable, reliable and easy-to-use 'smart' products to many millions of people in every aspect of daily life.

Introduction

The Minoston MP22Z is an enabled 15A(1875W) Resistive outdoor smart plug designed for use for most residential lighting and motor applications. It's compatible with LED, halogen, incandescent, xenon, fluorescent and compact fluorescent bulbs.
Work with all Z-Wave certificated hubs.

Z-Wave Network Configuration

NOTE: Include the device to the network within 10 feet of the controller when adding to the controller then relocate it to the desired position in your home, no more than 100 feet distance from controller. Be sure to refresh the network while the device is included in this manner.

Add to Z-Wave Network

Put the Z-wave interface controller into "Add" mode, triple press the Program button (A).
LED will blink rapidly.
It will be included to network.
(Once your controller confirmed, refresh the Z-Wave network to optimize performance.)



White LED indicator

Remove from Z-Wave Network

Put the Z-Wave interface controller into "Remove" mode, triple press the Program button (A). LED will blink rapidly. It will be excluded to network.

To return your switch to factory defaults

Manual reset: click the button twice quickly, then hold for at least 10 seconds.
Host reset: Remove it from the host and the device is factory reset.
Note: This should only be used in the event your network's primary controller is missing or otherwise inoperable.

Specifications

Power: 125V AC, 60Hz
Signal (Frequency): 908.42 MHz
Loading: 15A 1875W
Operating Temp. Range: -4° F~122° F
Package includes: Switch*1, Plastic Anchor*1, Screw*2, Manual*1

Adding Device To Z-Wave Network for QR CODE



Scan here for SmartStar inclusion
Note: DSK Code can be found on the packaging box.
Do not remove or damage them.

Parameter Settings

LED Indicator

This parameter can access you to choose the LED indicator to be on when the switch (light) is on / off, or LED indicator remains on / off all times.
(LED flashes twice when the configuration parameter changed.)
Operation: quickly press 6x: change parameter
--Parameter =1, size =1 byte,
value=00 (default) LED is On when switch (light) is On
value=01 LED is On when the switch (light) is Off
value=02 LED is always Off

Auto Turn-Off Timer

This parameter can access you to set a timer to make the switch turn off automatically after the switch turned on.The number entered as value corresponds to number of minutes. (LED flashes twice when the configuration parameter changed.)
Operation: Set up on the hub.
--Parameter =2, size=4 byte,
value= 0 – 65535 (Min), turn off the outlet

Auto Turn-On Timer

This parameter can access you to set a timer to make the switch turn on automatically after the switch turned off.The number entered as value corresponds to number of minutes. (LED flashes twice when the configuration parameter changed.)
Operation: Set up on the hub.
--Parameter =4, size=4 byte,
value= 0 – 65535 (Min), turn on the outlet

Restores state after power failure

This parameter can access you to set the switch to be on / off after power failure. (LED flashes twice when the configuration parameter changed.)
Operation: Quickly press the button 10 times (Please note: the switching of each value is in order, a quick press on the button 10 times will switch once. eg: Switching from value 0 to value 2 needs 2 switching.)
--Parameter=6, Size=1,
Value=0 – The switch is off regardless of the state prior to power failure.
Value=1 – The switch is on regardless of the state prior to power failure.
Value=2(default) – This switch will be return to state prior to the power failure after power is restored.
Adjust LED brightness (quickly press 8x: change Parameter.)
(Green LED flashes twice to confirm the setting is successful.)
Parameter=7, Size=1,
Value=0 --- Bright
Value=1 --- Medium
Value=2 --- Low (default.)

Z-wave Interoperability

This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.
This Device supports Lifeline (association group 1) supporting 1 node for lifeline communication.
Group 1 must be assigned the Node ID of the primary controller where unsolicited notifications will be sent.
The Z-Wave controller should set this association automatically after inclusion.
Lifeline association only supports the "Device Reset Locally" function. Refer to the instructions of your controller for any available details on how this can be set.

Command Class Information

GRNERIC DEVICE CLASS:
0x10 - SWITCH BINARY
SPECIFIC DEVICE CLASS:
0x00 – NOT_USED

COMMANDCLASS:

0x5E - ZWAVEPLUS_INFO
0x25 - SWITCH_BINARY
0x70 - CONFIGURANTION
0x85 - COMMAND_CLASS_ASSOCIATION
0x8E - COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION
0x59 - COMMAND_CLASS_ASSOCIATION_GRP_INFO
0x55 - COMMAND_CLASS_TRANSPORT_SERVICE
0x86 - COMMAND_CLASS_VERSION
0x72 - COMMAND_CLASS_MANUFACTURER_SPECIFIC
0x5A - COMMAND_CLASS_DEVICE_RESET_LOCALLY
0x87 - COMMAND_CLASS_INDICATOR
0x73 - COMMAND_CLASS_POWERLEVEL
0x9F - COMMAND_CLASS_SECURITY_2
0x6C - COMMAND_CLASS_SUPERVISION
0x7A - COMMAND_CLASS_FIRMWARE_UPDATE_MD

FCC / IC

This device complies with part 15 of the FCC and Industry Canada license - exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.
— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
Important note: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

⚠ CAUTION - PLEASE READ! ⚠

This device (MP22Z) is intended for installation in accordance with the National Electric Code and local regulations in the United States, or the Canadian Electrical Code and local regulations in Canada. If you are unsure or uncomfortable about performing this installation consult a qualified electrician.

⚠ WARNING - SHOCK HAZARD ⚠

TURN OFF THE POWER to the circuit for the switch and lighting fixture at the service panel (circuit breaker) prior to installation.
ALL WIRING CONNECTIONS MUST BE MADE WITH OFF to avoid personal injury and/or damage to the switch.

⚠ OTHER WARNINGS ⚠

Risk of Fire
Risk of Electrical Shock
Risk of Burns

⚠ MEDICAL EQUIPMENT ⚠

Please DO NOT use this switch to congrol Medical or Life Support equipment. Z-Wave devices should never be used to control the On/Off status of Medical and/or Life Support equipment.

⚠ CONTROLLING APPLIANCES ⚠

Please exercise EXTREME CAUTION when using Z-Wave devices to control appliances. Reason being is because the appliance you want to control may be in a separate room and if unintentional behavior occurs (such as adevice turning on or off - either intentionally via schedules, or unintentionally via network error) this event may lead to a hazardous condition. For these reasons, please note the following suggestions:
1) Do not include Z-Wave devices in Groups or Scenes if they control appliances.
2) Do not use Z-Wave devices to control electric heaters or any other appliances which may present a hazardous condition due to unattended, unintentional, or automatic power control

IMPORTANT SAFETY INSTRUCTIONS

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
2. Read and follow all instructions that are on the product or provided with the product.
3. do not use an extension cord.
4. Reference the National Electrical Code, NFPA 70, specifically for the installation of wiring andclearances from power and lighting conductors.
5. Installation work and electrical wiring must be done by qualified person(s) in accordance with allapplicable codes and standards, including fire-rated construction.
6. do not install or use within 10 feet of a pool
7. do not use in a bathroom

8. WARNING: Risk of Electric Shock.
When used outdoors, install only to a covered Class A GFCIprotected receptacle that is weatherproof with the power unit connected to the receptacle. If one is not provided, contact a qualified electrician for proper installation.
Ensure that the power unit andcord do not interfere with completely closing the receptacle cover.

9. WARNING: Risk of Electric Shock. Mount the unit at a height greater than 1 foot from the ground surface

10.WARNING: Risk of Electric fire.
install only to a receptacle protected by 20A branch circuit over current protection.

SAVE THESE INSTRUCTIONS – This manual contains important safety and operating instructions.

If you have any questions, please contact us at ask@minoston.com

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