



Minoston™

Z-Wave Outdoor Smart Plug

• MP22Z •

Meet your new smart Plug!



Plug * 1
 Screw * 1
 Manual * 1
 Wall plug * 1



(A) Manual / Program button

Single press: manually turn on/off your device.
 press 1x: turn output ON or OFF
 quickly press 3x: inclusion or exclusion
 quickly press 6x: change LED Indicator Parameter

(B) Smart Outlet

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

**For outdoor use
 IP65 rated**

Plug the devices you want to control into the Z-Wave Smart plug controlled outlet.

NOTE: Plug directly into outlet, do not use with extension cords



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

• White LED indicator

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

Remove from Z-Wave Network

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

To return your switch to factory defaults

Manual reset: click the button 2 times quickly, and 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.

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(1800W) 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.

Specifications

Model: MP22Z
 Power: 120V AC, 60Hz
 Signal (Frequency): 908.42 MHz
 Loading :15 Amp Max
 Operating Temperature Range: -4° F~122° F



The plug is designed to be angled 45 degrees, allowing you to make the most of your home wall outlet.

Parameter Settings

- 1: ADD/REMOVE
 --Manual add mode: Press the button 3 times.
 --Auto-add mode: LED will blink within 30 seconds after first power on
 1 Tap: control on/off.
- 2: Factory reset:
 Manual reset: Click the button 2 times quickly, and hold for at least 10 seconds.
 Host reset: Remove it from the host and the device is factory reset.
- 3: Association
 (LED flashes 2 times when the configuration parameter changed.)
 Support 2 groups, each group max support 2 devices
 Group 1 lifeline
 Group 2 Left outlet send basic set
- 4: LED Indicator
 (LED flashes 2 times when the configuration parameter changed.)
 --Parameter=1, Size=1, Value=00(default)output on, LED on
 Value=01 output on, LED off
 Value=02 LED no work
- 5: Auto Turn-Off Timer
 (LED flashes 2 times when the configuration parameter changed.)
 --Parameter=2, Size=4, Values:0 - 65535 (Min); outlet off
- 6: Auto Turn-On Timer
 (LED flashes 2 times when the configuration parameter changed.)
 --Parameter=4, Size=4, Values:0 - 65535 (Min); outlet on
- 7: Restores state after power failure
 (LED flashes 2 times when the configuration parameter changed.)
 --Parameter=6, Size=1, Value=0 output off
 Value=1 output on
 Value=2 out put the state after power (default)

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.

MEDICAL EQUIPMENT

Please DO NOT use this switch to control 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.

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 THE POWER OFF to avoid personal injury and/or damage to the switch.

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 a device 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

OTHER WARNINGS

Risk of Fire
 Risk of Electrical Shock
 Risk of Burns



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 - GENERIC_TYPE_SWITCH_BINARY
 SPECIFIC DEVICE CLASS:
 0x01 - SPECIFIC_TYPE_POWER_SWITCH_BINARY

COMMANDCLASS:

- 0x5E - COMMAND_CLASS_ZWAVEPLUS_INFO
- 0x86 - COMMAND_CLASS_VERSION
- 0x72 - COMMAND_CLASS_MANUFACTURER_SPECIFIC
- 0x5A - COMMAND_CLASS_DEVICE_RESET_LOCALLY
- 0x85 - COMMAND_CLASS_ASSOCIATION
- 0x59 - COMMAND_CLASS_ASSOCIATION_GRP_INFO
- 0x73 - COMMAND_CLASS_POWERLEVEL
- 0x25 - COMMAND_CLASS_SWITCH_BINARY
- 0x27 - COMMAND_CLASS_SWITCH_ALL
- 0x70 - COMMAND_CLASS_CONFIGURATION
- 0x8E - COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION
- 0x55 - COMMAND_CLASS_TRANSPORT_SERVICE
- 0x9F - COMMAND_CLASS_SECURITY_2
- 0x6C - COMMAND_CLASS_SUPERVISION
- 0x7A - COMMAND_CLASS_FIRMWARE_UPDATE_MD