MINOSTON®

Z-Wave Mini Smart Plug(800S)

• MP21Z •

Specification

Input: 125VAC 60Hz
Frequency: 908.42 MHz
Loading: 15A 1875W RESISTIVE OR GENERAL PURPOSE
10A MAX 1250W TUNGSTEN
1/2 HP
Temperature Range: 32° F~104° F
Indoor use in dry location



LED indicator

Blue: Light status indicator
Blue: ADD / Inclusion
Purple: Remove / Exclusion
Red: Network Failure

Program button

Manually ON/OFF: Press the button once.
Add Remove: Press the button 3 times.
Reset: Press the button twice quickly then hold a 3rd press for 10 seconds

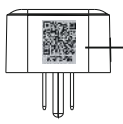
Features:

1. Z-Wave control on/off.
2. Z-Wave controlled AC outlet for standard incandescent lighting, CFL/LEDs, fans or small appliances(1875W Resistive Max).
3. Grounded 3-wire power connection for safety.
4. Remembers and restores on/off status after power failure.
5. Built-in Z-Wave Plus signal repeater to extend network range.
6. S2 security and 800 Z-Wave chip for reliable wireless communication.
7. Work with most of Z-Wave controllers.

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 the 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.

Adding Device to Z-Wave Network for QR Code



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

Notes:

1. Plug the device you want to control into the Z-Wave Smart plug controlled outlet.
NOTE: Plug directly into the outlet, do not use with power strip.



2. Your device may need to be within 100 feet of the controller to be included. If so, include the device to the network within 10 feet of the controller and relocate it to the desired position in your home. Be sure to refresh the network if the device is included in this manner.



Z-Wave Network Configuration

Adding Device to Z-Wave Network

1. Follow the instructions for your Z-Wave certified controller to add a device to the Z-Wave network.

2. Once the controller is ready to add your device, press the Manual/ Program button on the smart plug 3 times quickly.

Add QR Code For LR

• This device supports Z-Wave Long Range. It is compatible with smartstart. SmartStart enabled products can be added to a Z-Wave network by scanning the Z-Wave QR Code found on the top of the outlet or the back of the box with a controller providing SmartStart inclusion. No further action is required and the SmartStart product will be added automatically within 10 minutes of being switched on and in the network vicinity.
• Note: Z-Wave Long Range device can only support be included via SmartStart. Extract the DSK from the end device and paste it into the DSK Value in the PC Controller, make sure the "Long Range" option is ticked.

To Remove the Device

1. Follow the instructions for your Z-Wave certified controller to remove a device from the Z-Wave network.
2. Once the controller is ready to remove your device, press the manual / program button on the smart plug 3 times quickly.
The green light is on for 2s when the removal is successful.

To Return the Device to Factory Defaults

Manual: Press the button twice quickly then hold a 3rd press for 10 seconds
Host reset: Remove it from hub, the device will be restore to factory default.

Association Group

(LED flashes twice when the configuration parameter changed.)
Support 2 groups, each group max support 5 devices
Group 1 lifeline
Group 2 Left outlet send basic set.

Troubleshoot the device:

Follow these steps to troubleshoot:
1. Check whether the z-wave hub is compatible with the device.
2. Reset the device and add it again. (Reset: Turn on the switch. Press the button twice quickly and hold the 3rd pressing until the indicator light dims.)
3. If step 2 doesn't work, do the z-wave exclusion in the app and re-add it.
4. If steps 2 and 3 don't work, please check if the button can turn on or off the device.
Please note that pressing the button 3 times is needed to put the device into pairing mode.

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.
(Green 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 disabled

Auto Turn-Off Timer

This parameter can access you to set a timer to make the switch turn off automatically after the switch is ON.
The number entered as value corresponds to number of minutes. Operation: Set up on the hub.
(Green LED flashes 3 times when the configuration parameter changed.)
--- Parameter =2, Size=4 , Value: 0– 65535(minutes);
Value=0(default) disable

Auto Turn-On Timer

This parameter can access you to set a timer to make the switch turn on automatically after the switch is OFF.
The number entered as value corresponds to number of minutes. Operation: Set up on the hub.
(LED flashes 3 times when the configuration parameter changed.)
--- Parameter =4, Size=4 , Value: 0– 65535(minutes);
Value=0(default) disable

Restores State After Power Failure

This parameter can access you to set the switch to be on/off after power failure.
(Green 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, quickly 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.)

Generic Device Class:

0x10 - GENERIC_TYPE GENERIC_TYPE_SWITCH_BINARY

Specific Device Class:

0x01 - SPECIFIC_TYPE SPECIFIC_TYPE_POWER_SWITCH_BINARY

Command Classes:

0x5E - COMMAND_CLASS_ZWAVEPLUS_INFO_V2,
0x25 - COMMAND_CLASS_SWITCH_BINARY,
0x85 - COMMAND_CLASS_ASSOCIATION,
0x8E - COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION_V2,
0x59 - COMMAND_CLASS_ASSOCIATION_GRP_INFO,
0x55 - COMMAND_CLASS_TRANSPORT_SERVICE_V2,
0x86 - COMMAND_CLASS_VERSION,
0x72 - COMMAND_CLASS_MANUFACTURER_SPECIFIC,
0x5A - COMMAND_CLASS_DEVICE_RESET_LOCALLY,
0x73 - COMMAND_CLASS_POWERLEVEL,
0x70 - COMMAND_CLASS_CONFIGURATION,
0x9F - COMMAND_CLASS_SECURITY_2,
0x6C - COMMAND_CLASS_SUPERVISION
0x7A - COMMAND_CLASS_FIRMWARE_UPDATE_MD_V2

Warranty

Our Products warrant this product to be free from manufacturing defects for a period of one year from the original date of consumer purchase. This warranty is limited to the repair or replacement of this product only and does not extend to consequential or incidental damage to other products that may be used with this product.
This warranty is in lieu of all other warranties, expressed or implied. Some states do not allow limitations on how long an implied warranty lasts or permit the exclusion or limitation of incidental or consequential damage, so the above limitations may not apply to you.
This warranty gives you specific rights, and you may also have other rights which vary from state to state.

FCC / IC

This device complies with part 15 of the FCC and Industry Canada license-exempt RSS standard(s). Operation is subjected to the following two conditions:
(1) This device may not cause harmful interference,
(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 modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B 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:

— 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.

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 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

RISK OF FIRE / RISK OF ELECTRICAL SHOCK / RISK OF BURNS TO REDUCE THE RISK OF ELECTRIC SHOCK, THIS PRODUCT HAS A GROUNDING TYPE PLUG THAT HAS A THIRD (GROUNDING) PIN. THIS PLUG WILL ONLY FIT INTO A GROUNDING TYPE POWER OUTLET. IF THE PLUG DOES NOT FIT INTO THE OUTLET, CONTACT A QUALIFIED ELECTRICIAN TO INSTALL THE PROPER OUTLET. DO NOT CHANGE THE PLUG IN ANY WAY.

CONTROLLING APPLIANCES:
CAUTION: TO REDUCE THE RISK OF OVERHEATING AND POSSIBLE DAMAGE TO OTHER EQUIPMENT

• DO NOT EXCEED RATINGS
• DO NOT USE TO CONTROL ANY DEVICE

WHERE UNINTENDED OPERATION COULD CAUSE UNSAFE CONDITIONS (HEAT LAMP, SUN LAMP, ETC.)

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.

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.