MINOSTON

Z-Wave Dimmer Plug(800S)

• MP21ZD •



Specification

Input: 125VAC 60Hz
Frequency: 908.42 MHz
Loading: 200W Incandescent 100W
Dimmable CFL/LED

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 once to turn on or off.
Dimming: Hold the button to adjust the brightness level.
Reset: Press the button twice quickly then hold a 3rd press for 10 seconds.

Features:

1. Z-Wave on / off + dimmer control.
2. Grounded 3-wire power connection for safety.
3. Remember and restore on/off status after power failure.
4. Built-in Z-Wave Plus signal repeater to extend network range
5. S2 security and 800 Z-Wave chip for reliable wireless communication.
6. Work with all certificated Z-Wave controllers.
7. Support Long Range.

Min brightness level setting (Refer to Parameter 11)

1. Press the button 5 times quickly, the LED indicator flashes slowly to enter the setting “Min brightness” mode. The lamp will adjusts to the min brightness automatically.
2. Hold the button to adjust the brightness of the bulb, select the appropriate brightness to set the min brightness.
3. Press the button 5 times quickly to confirm it (the min brightness setting is completed). The LED indicator will flashes 3 times.

Max brightness level setting (Refer to Parameter 12)

1. Press the button 10 times quickly, the LED indicator flashes slowly to enter the setting “Max brightness” mode. The lamp will adjusts to the max brightness automatically.
2. Hold the button to adjust the brightness of the bulb, select the appropriate brightness to set the max brightness.
3. Press the button 10 times quickly to confirm it (the max brightness setting is completed). The LED indicator will flashes 3 times.

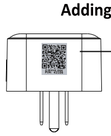
Note: If the setting is not confirmed at Step 3, the setting mode will be exited after 10S.

Please contact us if you have any questions:
www.minoston.com
ask@minoston.com

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 with QR CODE



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

Z-Wave Network Configuration

Add The 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. The blue LED will flash quickly.
Now, you have completed control to turn your device ON / OFF according to groups, schedules and interactive automation programmed by your controller. If your Z-Wave certified controller features remote access, you can control your device from your mobile devices.

Troubleshoot

(1) If paring fails, move the device as close to the hub as possible and try again. Once completed, move to the final position.
(2) If the manual button does not light up after 3 presses, reset the device by pressing the button twice quickly, then hold the 3rd button for 10 seconds.
(3)The flashing purple indicator means the device is already paired and in exclusion mode. Reset it before adding it to your Z-Wave network.
(4) If the reset or add fails, perform a z-wave exclusion on the z-wave controller and re-add it.

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 purple LED will flash quickly.

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.

Scan The QR Code To Add LR

The device 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.

Association Group

Group 1 supports 1 node ID,Group 2 Supports maximum of 5 node ID’s
Association Group 1: Z-Wave Plus Lifeline
Association Group 2: Send Basic Set ON / Off

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.

Parameter Settings

(1) LED Indicator

This parameter allows you to choose the LED indicator to be on when the plug(light) is on/off, or LED indicator remains on/off all times.
Operation: Set up with the hub.
Indicator: LED flashes 3 times when the configuration parameter is changed.
Parameter=2, Size=1 byte, Default value=0
Value=0 --- LED is ON when switch (light) is OFF.
Value=1 --- LED is ON when switch (light) is ON.
Value=2 --- LED is always OFF.
Value=3 --- LED is always ON.

(2) Auto Turn-Off Timer

This parameter allows you to set a timer to make the switch automatically turns off after it has been turned on. The entered value corresponds to the number of minutes.
Operation: Set up with the hub.
Indicator: LED flashes 3 times when the configuration parameter is changed.
Parameter=4, Size=4 byte, Default value=0 (disable)
Value: 0-65535(minutes).

(3) Auto Turn-On Timer

This parameter allows you to set a timer to make the switch turn on automatically after it has been turned off. The entered value corresponds to the number of minutes.
Operation: Set up with the hub.
Indicator: LED flashes 3 times when the configuration parameter is changed.
Parameter=6, Size=4 byte, Default value=0 (disable)
Value: 0-65535(minutes).

(4) Night Light Set

This parameter allows you to set a specific brightness for the light when you want to make it as a night light.
Operation: Set up with the hub.
Indicator: LED flashes 3 times when the configuration parameter is changed.
Parameter=7, Size=1 byte, Default value=2
Value=1 --- 10% brightness
Value=2 --- 20% brightness
...
Value=10 --- 100% brightness

(5) Power State After Power Failure

This parameter allows you to set the switch to be on/off after power failure.
Operation: Quickly press the manual button 8 times to change this parameter.
Indicator: LED flashes 3 times when the configuration parameter is changed.
Parameter=8, Size=1 byte, Default value=2
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 --- Memory state before power failure. The switch will be return to state prior to the power failure after power is restored.

(6) Dimmer Speed (On/Off Control)

This parameter allows you to set the time from maximum brightness to minimum brightness or minimum brightness to maximum brightness. (Only when turning ON/OFF the light)
Operation: Set up with the hub.
Indicator: LED flashes 3 times when the configuration parameter is changed.
Parameter=9, Size=1 byte, Default value=2
Value=0 --- instant on/off
Value=1--- from 0x63 to 0x00 or from 0x00 to 0x63 need 1s
Value=2 --- from 0x63 to 0x00 or from 0x00 to 0x63 need 2s
...
Value=10 --- from 0x63 to 0x00 or from 0x00 to 0x63 need 10s

(7) Dimmer Speed (Dimmer Control)

This parameter can access you to set the time from maximum brightness to minimum brightness or minimum brightness to maximum brightness.
(Only when hold it to change the brightness or control from HUB).
Operation: Set up with the hub.
Indicator: LED flashes 3 times when the configuration parameter is changed.
Parameter=10, Size=1 byte, Default value=4
Value=1 --- from 0x63 to 0x00 or from 0x00 to 0x63 need 1s
Value=2 --- from 0x63 to 0x00 or from 0x00 to 0x63 need 2s
...
Value=10 --- from 0x63 to 0x00 or from 0x00 to 0x63 need 10s

(8) Multilevel Minimum Value Settings

This parameter allows you to set a limit on the minimum brightness of the connected light can get when using the dimmer function.
Operation: Quickly press the manual button 5 times to change this parameter.
Indicator: LED flashes 3 times when the configuration parameter is changed.
Parameter=11, Size=1 byte, Default value=10
Value=0 --- Disable
Value=1
...
Value=99

(9) Multilevel Maximum Value Settings

This parameter allows you to set a limit on the maximum brightness of the connected light can get when using the dimmer function.
Operation: Quickly press the manual button 10 times to change this parameter.
Indicator: LED flashes 3 times when the configuration parameter is changed.
Parameter=12, Size=1 byte, Default value=99
Value=0 --- Disable
Value=1
...
Value=99

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 by unauthorized 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 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:
-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.

Generic Device Class:
0x11-GENERIC_TYPE_SWITCH_MULTILEVEL
Specific Device Class:
0x00-SPECIFIC_TYPE_NOT_USED
Command Classes:
0x5E-COMMAND_CLASS_ZWAVEPLUS_INFO_V2,
0x26-COMMAND_CLASS_SWITCH_MULTILEVEL_V4,
0x70-COMMAND_CLASS_CONFIGURATION_V4,
0x85-COMMAND_CLASS_ASSOCIATION_V3,
0x8E-COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION_V4,
0x59-COMMAND_CLASS_ASSOCIATION_GRP_INFO_V3,
0x71-COMMAND_CLASS_NOTIFICATION_V8,
0x31-COMMAND_CLASS_SENSOR_MULTILEVEL_V11,
0x55-COMMAND_CLASS_TRANSPORT_SERVICE_V2,
0x86-COMMAND_CLASS_VERSION_V3,
0x72-COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2,
0x5A-COMMAND_CLASS_DEVICE_RESET_LOCALLY,
0x73-COMMAND_CLASS_POWERLEVEL,
0x9F-COMMAND_CLASS_SECURITY_2,
0x6C-COMMAND_CLASS_SUPERVISION,
0x7A-COMMAND_CLASS_FIRMWARE_UPDATE_MD_V5