

AD132-1 LAMP MODULE

The AD132-1 Lamp Module is a transceiver which belongs to the member of UNet series and is fully compatible with any UNet enabled devices. It is designed to control the On/Off status and brightness level of incandescent lamp connected to the lamp module. When setting to On, it will detect the connected load wattage, thus ensuring safety and security. For instance, when overload occurs, the Lamp Module will be disabled of which LED will flash rapidly for 30 seconds. Unplug and re-connect the plug will restore the Lamp Module to Off status.

Initial Power Up & Installation

1. Plug this Lamp Module into a wall outlet near the load to be controlled. The LED on the Module will be flashing slowly. This implies that the Module does not memorize any ID code and cannot work with UNet enabled devices.
2. Plug the appliances into the Lamp Module. There are two outlets at different sides of AD132-1. The appliances plugged into the controllable outlet can be controlled by the On/Off button and remote controller, the other side is non-controlled and acts as a pass-through outlet. Make sure the total load of both sides cannot exceed 1500 watts which means if the load of controllable outlet is changed, the other side will be altered accordingly.

For instance, if the load of controllable outlet is about 1500 watts, the other should be 0 watt; while if the load of controllable outlet is 1200 watts, the other should be 300 watts.

3. Turn the button or switch on the load to the ON position
4. To manually turn ON the AD132-1 Lamp Module, press and release the On/Off button. The indicator LED will turn ON, and the load plugged into the AD132-1 Lamp Module will also turn ON.
5. To manually turn OFF the AD132-1 Lamp Module, simply press and release the On/Off button. The indicator LED will turn OFF and the load plugged into the AD132-1 Lamp Module will also turn OFF.
6. To let AD132-1 work and communicate with the device of UNet network, it is essential that the same ID essential that the same ID code is used between Lamp Module and UNet enabled device. For more details about how AD132-1 learns ID code of UNet device, please refer to the section of ID code learning.

Note: The Module's detection can only become precisely after 30 minutes for the first time of plug-in to the electrical outlet, however during this 30 minutes it won't hinder its normal operation (e.g. learn, clear the ID code and On/Off control).

Learning the ID Code

1. In the front cover, there is an On/Off/Dim button with LED indicator (Fig. 1).

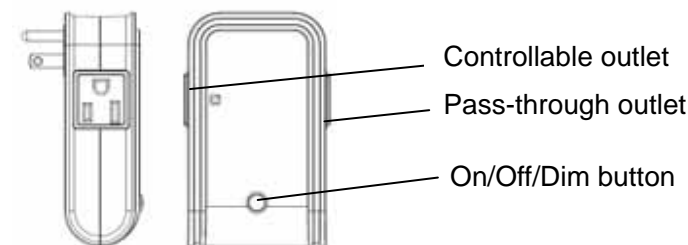


Fig. 1

Note: This On/Off/Dim button serves as a gateway to learn and clear the ID code.

2. Keep pressing the button for 3 seconds until the LED flashes rapidly. A 30-second countdown will start. The Module is about to learn the ID code.
3. Using UNet enabled device to emit the ID code to the Module. Press and hold the "learning" button of UNet device more than 3 seconds, so as to emit the ID code to the Module.
4. If the Module learns the ID code properly, the LED indication will be on for 1 second then turn off.
5. When the LED flashes rapidly for 3 times, it is ascribed to the following two conditions:
 - i. The Module failed to learn the ID code.
 - ii. After entering 30-second ID code learning mode, press the button again to exit the ID code learning mode.

Note:

- × At the step 2, if you happen to press the On/Off/Dim button for less than 3 seconds, the Module will turn to "On" status (LED lights on steadily). To re-enter the ID code learning mode, simply press the On/Off/Dim button to turn off the Module (LED lights off), and then repeat the above step 2-5 to complete ID code learning procedure.
- × The ID code setting is stored in non-volatile memory and is not lost during power failures. It can be cleared by proceeding with ID code clearance as indicated below in ID code clearing section.
- × The module can learn only one set of ID code.

Clearing the ID Code

1. Make sure the Module is in Off status (LED lights off). If not, press the On/Off/Dim button to turn off the Module. Keep pressing the button until the LED flashes rapidly. A 30-second countdown will start.
2. Press the button again more than 6 seconds within 30-second countdown, the preset ID code will be cleared.

Note: LED turns back to flashing status if ID code is cleared.

Operation

- Toggle the On/Off/Dim button for On or Off. Turn on the button of which LED will be on and the incandescent lamp controlled by AD132-1 will be on, while pressing the button again will turn off the incandescent lamp and its LED will be off.
- To adjust brightness/dimness level, press the On/Off/Dim button on the module to turn on the lighting device. The default setting of brightness is 50% (refer to the asterisk as shown in Fig 2). Press and hold the On/Off/Dim button to start brightness adjustment. The brightness level will go up, and when it goes up to the maximum value (100%), it will start adjusting dimness. Choose the ideal level you desire and release the On/Off/Dim button simultaneously. The brightness/dimness level is now fixed as you wish.

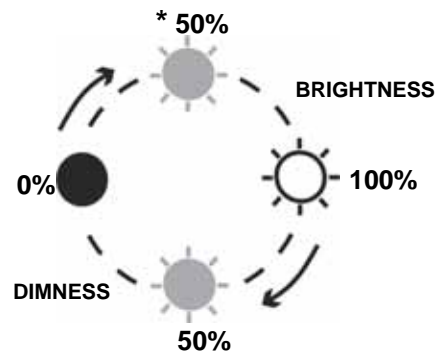


Fig. 2

Please note there are two outcomes for dimmer adjustment. As you know, press and hold the On/Off/Dim button to start light level adjustment as prerequisite. The key point is to keep your finger off the button before pressing and holding the button. For instance, for **brightness** level adjustment, if you release the button before pressing the button again, it will switch to dimness adjustment automatically. On the contrary, for **dimness** level adjustment, if you release the button before pressing the button again, it will shift to brightness adjustment automatically.

- When setting to On, the Module will initiate wattage detection function. Upon detecting overload condition, the Module will be switched to Off, the On/Off/Dim button will be disabled and the LED will flash rapidly for 30

seconds. Reset the Module by unplugging and re-connecting the plug to the electrical outlet.

Troubleshooting

Symptom	Cause of Failure	Recommendation
The Module not working and LED off	1. The Module is not connected to the mains properly 2. The Module is out of order	1. Check if wire connection is correct 2. Don't open up the Module and send it for repair
The Module's LED working, but cannot control the ON/OFF switch of the incandescent lamp connected to the Module	Check if the switch of incandescent lamp connected to the Module is set in OFF	Set the On/Off switch of the connected incandescent lamp to ON
The Module's LED working, but the Transmitter not working	1. Incorrect ID code 2. Same frequency interference	1. Learning the ID code again 2. Wait for a while to re-try

Specification

Operating Voltage	120V/60Hz
Maximum Load	300W, for incandescent lamps only
Minimum Load	25W, for incandescent lamps only
Range	Up to 100 meter line of sight
Frequency Range	923.00 MHz

** Specifications are subject to change and improvement without notice.

Compatibility

The following transceivers (sold separately) can control THIS module: 923.00MHz

Transmitter (AC124)	USB Dongle (SA804)	Flood Detector (ST802)	IR Beam Detector (ST803)	Temperature & Humidity Detector (ST804)	Illumination Sensor (ST805)

IMPORTANT! To avoid poor compatibility with devices of other brands, purchase only Everspring UNet devices to ensure best compatibility is strongly recommended.



Federal Communication Commission Interference Statement

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 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.

This device complies with Part 15 of the FCC Rules. 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 Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.