AN149-1 ON/OFF MODULE

The AN149-1 On/Off 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 lighting and appliances.   When setting to On, it will detect the connected load wattage, thus ensuring safety and security. For instance, when overload occurs, the Module will be disabled of which LED will flash rapidly for 30 seconds. Unplug and re-connect the plug will restore the Module to Off status.

Initial Power Up & Installation

1. Plug this On/Off 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 On/Off Module. There are two outlets at different sides of AN149-1. 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 AN149-1 On/Off Module, press and release the On/Off button. The indicator LED will turn ON, and the load plugged into the AN149-1 On/Off Module will also turn ON.

5. To manually turn OFF the AN149-1 On/Off Module, simply press and release the On/Off button. The indicator LED will turn OFF and the load plugged into the AN149-1 On/Off Module will also turn OFF.

6. To let AN149-1 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 AN149-1 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 button with LED indicator (Fig. 1).

Controllable outlet
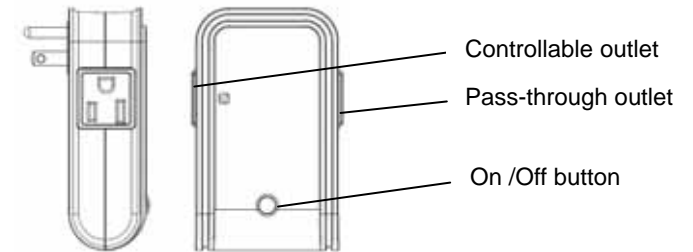
Pass-through outlet

On /Off button

Fig. 1

Note: This On/Off 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 the Remote Controller of UNet enabled device to emit the ID code to the Module, press and hold the "Off" button on the Remote Controller 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 button for less than 3 seconds, the Module will either turn to "On" or "Off" status depending on the last status of the On/Off button, for instance…

    a. If it was toggled as "Off", the Module will turn to "On" status.
    b. If it was toggled as "On", the Module will turn to "Off" status.

※ 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.

※ Up to 12 ID codes can be learned. The Module's LED will flash rapidly as rejection if the 13th ID code is entered.

Clearing the ID Code

(1) Press the button for 3 seconds 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.

Operation

● Toggle the On/Off button for On or Off. Turn on the button of which LED will be on and the incandescent lamps/appliances controlled by the Module will be on, while pressing the button again will turn off the incandescent lamps/appliances and its LED will be off.

● 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 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 has its on/off switch	Set the On/Off switch of the connected incandescent lamp to ON

Specification

Operating Voltage	120V/60Hz
Maximum Load	1400W
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:
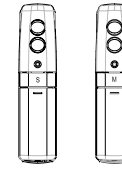
923.00MHz

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