RFAPM ON/OFF MODULE

This plug-in On/Off Module is designed to work with our Passive Infrared Detectors SP103 and Door/Window Detectors SM103, serving as a receiver. The AN135 plug-in On/Off Module is a Z-Wave™ enabled device and is fully compatible with any Z-Wave™ enabled network. Z-Wave™ enabled devices displaying the Z-Wave™ logo can also be used with it regardless of the manufacturer, and ours can also be used in other manufacturer's Z-Wave™ enabled networks. Remote On/Off control of the connected load is possible with other manufacturer's Wireless Controller. Each module is designed to act as a repeater. Repeaters will re-transmit the RF signal to ensure that the signal is received by its intended destination by routing the signal around obstacles and radio dead spots.

Adding to Z-Wave™ Network

In the side of the casing, there is an On/Off knob which is used to carry out inclusion, exclusion or association. Put a Z-Wave™ Wireless Controller into inclusion/exclusion mode, press the knob on the module to complete the inclusion/exclusion process.

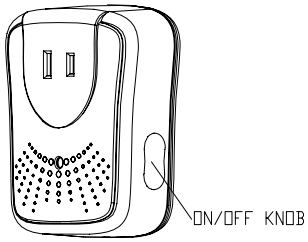

Fig. 1

Installation

1. Plug this On/Off module into a wall outlet near the load to be controlled.

2. Plug the load into the On/Off module. Make sure the load to be controlled cannot exceed 600 watts.

3. Turn the knob or switch on the load to the ON position.

4. To manually turn ON the AN135 On/Off Module, press and release the On/Off knob. The red indicator LED will turn ON, and the load plugged into the AN135 On/Off module will also turn ON.

5. To manually turn OFF the AN135 On/Off Module, simply press and release the On/Off knob. The red indicator LED will turn OFF and the load plugged into the AN135 On/Off Module will also turn OFF.

6. If Passive Infrared Detector SP103 or Door/Window Detector SM103 has been removed from the wall by triggering the tamper switch, the Detector (SP103 or SM103) will send an alarm command **(ALARM_REPORT, Alarm Type == 0x01, Alarm Level == 0x11)** to the AN135 On/Off Module, of which red indicator LED and the load plugged into the AN135 On/Off module will be on and off intermittently for 10 seconds simultaneously.

   Note: When putting Passive Infrared Detector or Door/Window Detector in use, do not connect the load belongs to motor or electronic transformers, as the load would be impaired.

Programming

The On/Off knob allows the user
- Turn on or off the load attached
- Include or exclude the module from the Z-Wave™ system
- Control other Z-Wave™ enabled devices

See the instructions for SP103 Passive Infrared Detector or SM103 Door/Window Detector.

Troubleshooting

Symptom	Cause of Failure	Recommendation
The Module not working and LED off	1. The Module is not plugged into the electrical outlet properly 2. The Module is out of order	1. Check power connections 2. Don't open up the Module and send it for repair.
The Module LED illuminating, but cannot control the ON/OFF Switch of the load attached	Check if the load plugged into the Module has its own ON/OFF switch	Set the ON/OFF switch of the load attached to ON
The Module LED illuminating, but the Detector cannot control the Module	1. Not carry out association 2. Frequency interference	1. Carry out association 2. Wait for a while to re-try

Specification

Operating Voltage	120V/60Hz
Maximum Load	600W
Range	Minimum 100 feet line of sight
Frequency Range	908.42 MHz

** Specifications are subject to change and improvement without notice. A501110876R

Mobile of end product

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.

IMPORTANT NOTE:

"Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device."