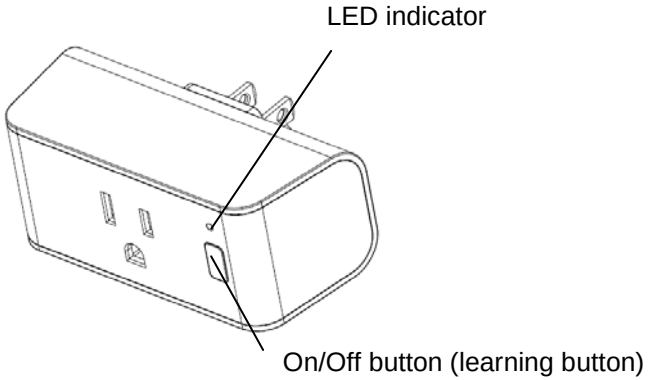
AN204 Power Meter Plug

Installation Instructions

General Introduction

AN204 Power Meter Plug is a home automation transceiver designed to control the On / Off status of home electronic devices. AN204 can measure the connected load power for electricity usage monitoring applications and is able to detect overload condition and turn off the load, preventing fire hazard. Its great compatibility with our U-Net family security products makes it suitable for smart home cloud based platforms such as VIAS APP.

Product Overview



Pairing to controller

1. Log into the VIAS account from the APP, and enter the gateway to system main control page.
2. Select Menu List>System Setup>ADD DEVICE>choose “Installation” on AN203/AN204.
3. Please follow and complete the instruction on the APP to binding with central gateway.
4. Locate the learning button (see Product Overview). Do not activate pairing on the controller yet.
5. Press and hold the learning button for more than 3 seconds until the LED flashes moderately then release the button.
6. Quickly activate pairing on the controller. The LED should stop blinking indicating the pairing process is complete.

Operation

Under normal operation mode, press the on/off button on the unit to control the on/off status of the connected load. When power is on, the LED indicator will turn on or slow flash if no node ID is stored. The unit can also be controlled by receiving command signals from the Controller.

The unit is able to remember the status of the relay when power is cut off (such as power black-out). When power is supplied again, the unit will resume the last status of the relay (on or off) automatically.

Note: The Plug has an overload protection feature. Upon detecting an overload condition, it will automatically switch off the load, disable the On/Off button and the LED will flash rapidly for 30 seconds as warning. When this happens, disconnect the load and check the load for symptoms of failure. The overload protection of the Plug can be reset by simply unplugging the Plug and re-connecting it to the electrical outlet.



Safety Precautions

1. Do not put the unit in humid or dusty places or facing direct sunlight.
2. The suitable ambient temperature for the unit is -10°C to 40°C.
3. Do not place the unit near combustible substances or any source of heat, e.g. fire, radiators, boilers, etc.

Troubleshooting

The troubleshooting table lists some possible causes and solutions. Please contact your original retailer or nearest service center if the below solutions cannot solve your problem.

Symptom	Cause of Failure	Recommendation
The unit is not working and LED is off.	1. The unit is not connected well to the power socket or extender. 2. The unit is out of order.	1. Try to connect again and make sure the extender is working fine. 2. Don't open up the unit and send it for repair.
The unit is working, but cannot control the ON/OFF status of the device connected to the unit.	Check if the device connected to the unit has its own on/off switch.	Set the switch of the connected lamp to On/Off.
The LED is on but cannot control the unit.	1. The unit didn't complete successfully the binding operation. 2. The unit cannot communicate with the gateway U-net gateway.	1. Check "Manual binding". 2. Place the plug closer to the gateway.

Reset to Factory Settings

To reset AN204 back to factory default state:

1. Press and hold the learning button for 3 seconds until the LED starts to flash then release the button.
2. Within 30 seconds, press and hold the learning button for more than 6 seconds. The LED will start to flash, implying the device is reset back to factory mode

Specifications

868MHz(EU)	
Operating Voltage	230VAC/50Hz
Maximum Load	Resistive load: 2900W Incandescent load: 2900W Fluorescent load: 840W LED: 400W
923MHz(US)	
Operating Voltage	110VAC/60Hz
Maximum Load	Resistive load: 1450W Incandescent load: 1450W Fluorescent load: 420W LED: 200W
Overload Protection	Current over 14.5A
KW/h Detection	Max. 10485.75 KW/h (When maximum value is reached, the value will reset to 0.)
Meter error rate	+/-8%
Protection Degree	IP20
Operating temperature	-10°C~40°C
RF range	>1km (open space)

** Specifications are subject to change without notice.

WARNING:
Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal free of charge.

CAUTION:
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

Federal Communication Commission Interference Statement
FCC warning:
Any Changes or modifications not expressly approved by the party responsible for compliance 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Industry Canada statement:
This device complies with Industry Canada licence-exempt RSS standard(s).
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.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with IC RF radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.”

Ce matériel est conforme aux limites d'exposition aux rayonnements rf de ic énoncés dans un autre environnement.
Ce matériel doit être installé et exploité à une distance minimale de 20 cm entre le radiateur et votre corps.



www.everspring.com
50 Sect. 1 Zhonghua Rd Tucheng
NewTaipeiCity 236 Taiwan.