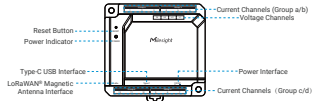


1. Packing List



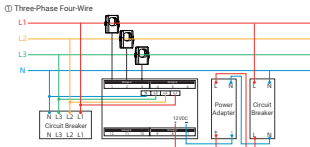
2. Hardware Introduction



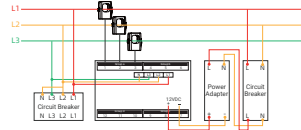
3. LED Patterns

Function	Operation	Indicator
Power On	The power is switched on	On
Power Off	The power is switched off	Off
LoRaWAN Status	/	Deactivated: Stays On Sending Join Request: Blinks Quickly Once Activated Successfully: Blinks Slowly Once
Operational Status	/	Stays On
Threshold Alarm	The collected parameters exceeded the set threshold	Blinks Quickly
Reset to Factory Default	Press and hold the reset button for more than 10s	Quickly Blinks

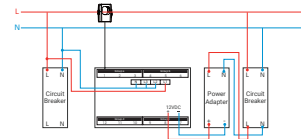
4. Wiring Instructions



② Three-Phase Three-Wire



③ Single-Phase Two-Wire (L-N)



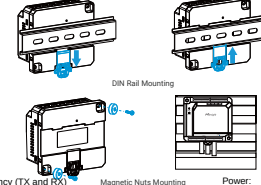
5. Installation Preparations

- Only qualified professional electricians are allowed to install this device. High voltage may be present and can be life-threatening!
- The main power supply of the target distribution box or circuit must be cut off. After power-off, wait for at least 5 minutes to ensure the circuit capacitors are fully discharged!
- Use insulated tools and wear insulating gloves throughout the process, and strictly comply with local electrical safety regulations.

Device Installation

Step 1:

Note: The width of the DIN rail is 3.5 cm.

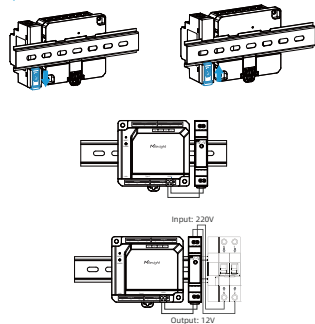


CE
Frequency (TX and RX)
BLE: 2402-2480MHz
LoRa: 863-968MHz

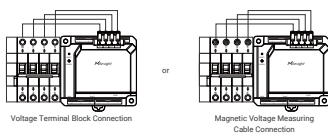
Power:
BLE: 7.18dBm
LoRa: 7.65 dBm



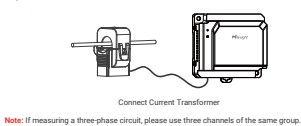
Step 2:



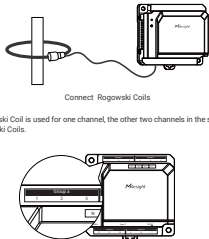
Step 3:



Step 4:



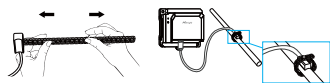
Note: If a Rogowski Coil is used for one channel, the other two channels in the same group must also use Rogowski Coils.



Antenna Installation

- The antenna should be installed vertically, with the magnetic base attached to a metal surface.
- Keep the antennas away from walls and ensure there are no obstacles around them.
- For better coverage, it is recommended to position the antennas at a higher location.
- Place the antennas near windows when used indoors.

USB-C NTC Sensor Installation



6. Configuration

1. Download and install "Milesight Toolbox" App on an a Bluetooth-enabled smartphone.



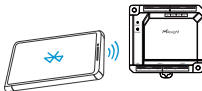
Android



iOS

2. Enable Bluetooth and location function on the smart phone.

3. Open "Milesight Toolbox" App, select Bluetooth method and search for the target device to connect, and then enter the Bluetooth password to read/write the device until App shows a successful prompt. The default Bluetooth name is CTH61-XXXXXXX(5th to 11st characters of device SN) and the default login password is 123456. It's suggested to configure a device password for security.



7. FCC Statement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.

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.

FCC Radiation Exposure Statement

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