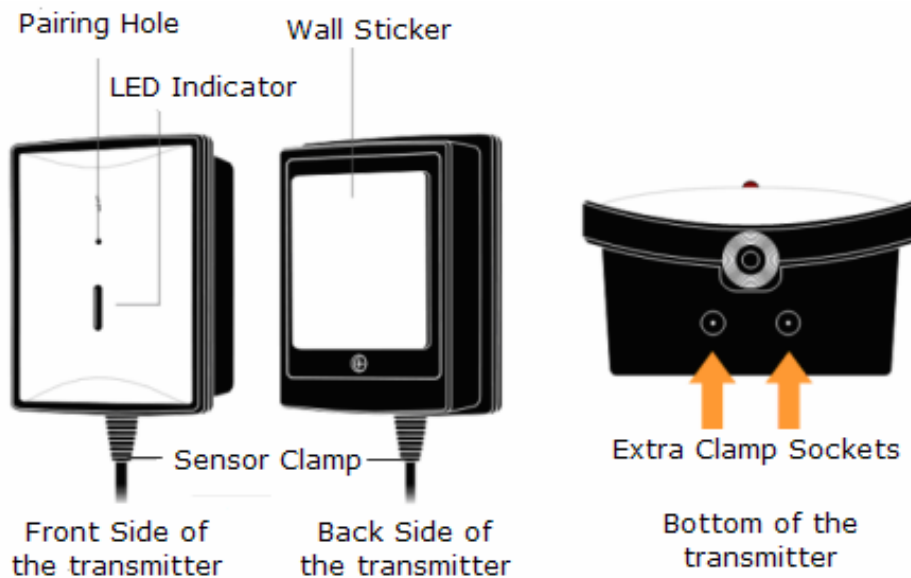


1-way Transmitting System for Energy Data Specification

1. General Information

The 1-way transmitting system for Energy Data consists of one transmitter and 1-3pcs sensor clamp(s). The sensor clamp detects the current data and the transmitter sends such data to the display unit via 433.92MHz transmission so that the display unit can monitor the energy consumption.

2. Structure



Sensor Clamps



3. Installation

- 1) If it is the first time to use the transmitter, please pull out the clear plastic tab from the back of the transmitter, as per below photo. The tab is an insulation sheet, once it is pulled out, the built-in batteries will make the transmitter start to work immediately.



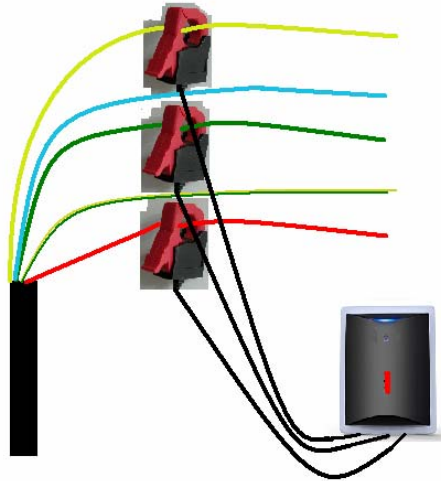
- 2) The transmitter already has one fixed sensor clamp on it which is ok for single phase. If it is to be used for 3-phase, then two more sensor clamps are required. Please attach the DC plug of each sensor clamp into the DC sockets on the bottom of the Transmitter.



- 3) For single phase, fix the sensor clamp around the null line (green color, also called zero line) or the live line (red color) of the monitored object, just as below photo is showing (Don't fix the clamp around the ground wire). Make sure to let the line pass through the clamp.



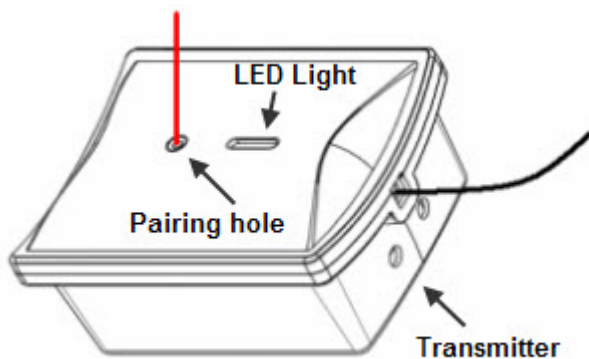
- 4) For 3-phase, fix the 3pcs of sensor clamps around the lines of Phase-A (yellow color), Phase-B (green color) and Phase-C (red color). Don't fix the clamps around the ground wire and neutral wire.



4. Function Instructions

1) Pairing:

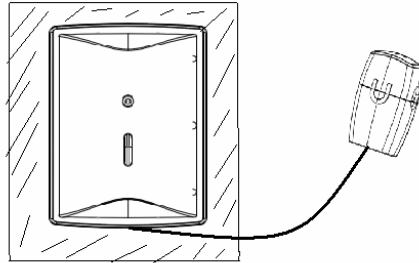
Use a slim stick to push into the pairing hole of the transmitter (as shown in below photo) and hold it there for about 3 seconds until the LED indicator flashes quickly. The Transmitter is now starting to pair with the Display Unit.



If the display unit is also in pairing mode, it will receive the pairing data from the

transmitter and complete the successful pairing and the antenna icon on the Display Unit's LCD stops flashing and stays on the top right corner of the LCD screen. If the pairing fails in 30 seconds, the pairing will stop automatically. Please restart the pairing again.

Try to put the transmitter near to the Display Unit during pairing. After pairing, put the transmitter in a dry place near the monitored object or stick the transmitter on the wall near the monitored object by using the wall sticker as below photo:



2) Data Transmission

After successfully pairing, the transmitter will start to send the data collected by the sensor clamp to the Display Unit so that the data can be viewed on the Display Unit's LCD screen.

5. External antenna information:

Model: ATL-V0433S

Trade mark: Richtek

Manufacturer: Antele Communication Technology Co., Ltd.

Warning statement:

Any operation or use of this product in any manner not expressly specified within this manual is expressly forbidden and voids the users right to operate the device. This includes, but is not limited to, any modification of the device hardware or software, and use with non-approved antennas

6. FCC STATEMENT

1. 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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. 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.