

Allegro Repeater (2WREP)

Installation

Instructions

FCC ID: NTA2WREP1

31-Mar-14



Compliance with FCC Regulations

CAUTION



The User and the Installer should be aware that changes and modifications to the equipment not expressly approved by Master Meter could void warranty and the user's authority to operate the equipment. Professionally trained personnel should install the equipment.

ATTENTION



The digital portion of the transceiver 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:

- 1) Reorient or relocate the receiving antenna.
- 2) Increase the separation between the equipment and receiver.
- 3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4) Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of 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.

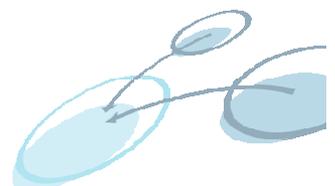


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1. Introduction

The Allegro repeater (“2WREP”) is a plug and play multi-channel/ frequency RF transceiver unit operates at 450 – 470MHz ISM band.

The 2WREP unit is designated to transceiver/ collects wireless transmissions of water meter.

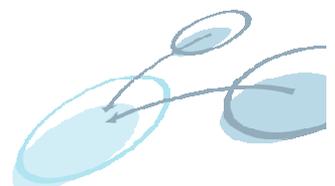
The 2WREP send the collected data through internal/ external antenna.

2. About 2WREP

2.1. 2WREP external picture



Figure 1



2.2. 2WREP internal picture

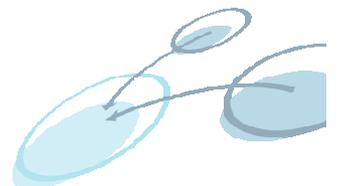


Figure 2

2.3. FCC Label



Figure 3



2.4. Environmental Conditions

Operating Temperature: -40° C to + 70° C

Storage Temperature: -40 °C to + 70 °C

Humidity: Up to 95%

3. Installation instruction

The 2WREP can be installed on both walls and light poles.

Attach the relevant hanging kit (see

Figure 4, Figure 5) to the back of the 2WREP according to required hanging destination.

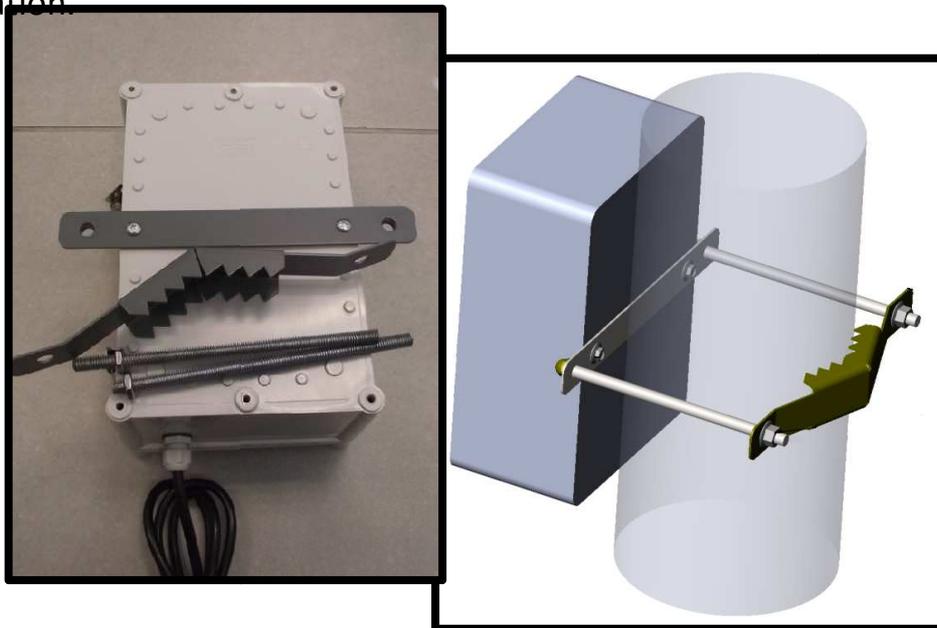


Figure 4 – Light pole hanging kit





Figure 5 – Wall hanging kit

Open the 2WREP box by pushing the locking tab and make sure that Antenna connected properly.

	<p style="text-align: center;">Pay attention!! Do not open the repeater with strength, push the locking tabs and pull the hinges.</p>
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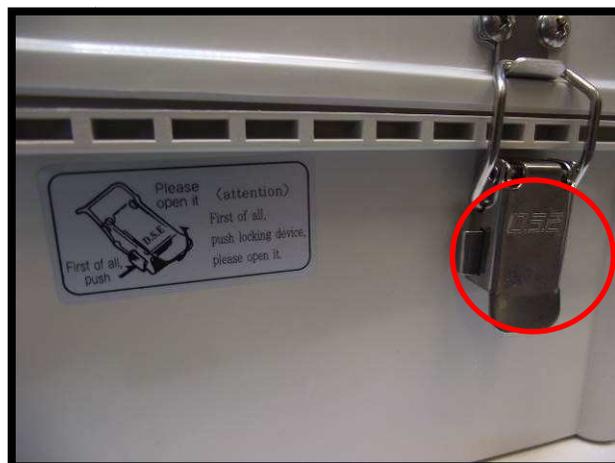


Figure 6



Connect the 2WREP to power source (110VAC) and change the transceiver switch into "ON" state, see Figure 7.



Figure 7

Working 2WREP indicates with green and orange blinking LED's.
Close the 2WREP box it is now ready to collect water meters.

