Allegro® Interpreter
Installation Manual

Category: Registers & Endpoints

Type: Interpreter Register

Issue: Installation

1.   Main Concept

The Allegro UTG is an AMR register with nonmoving parts and digital display for Master Meter market. The register will fit installed meters and new meters as well.

Installing the register

## 2.   The Meter

One should take the water meter and make sure installed register parameters were set accordingly on water measurement.

3.   Plastic Adaptor

Take match plastic adaptor for chosen meter and lock it to meter by rotating it clockwise.

Adaptor locked in its place
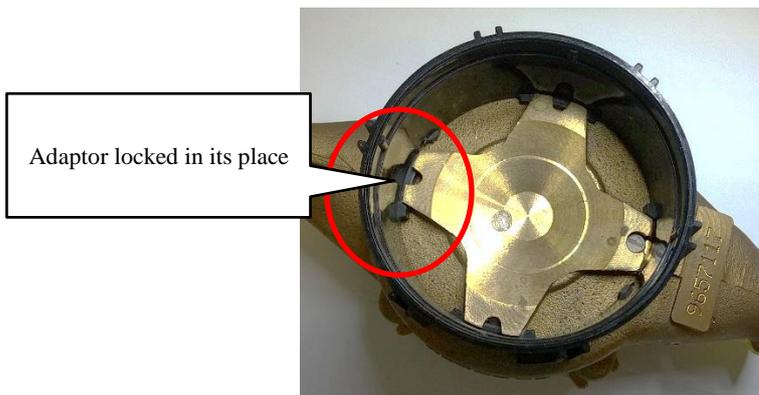
4.   Allegro Register Install

If the register has been preassembled with the housing and shroud, place the register on meter on meter so that the shroud will lock on to the meter flanges and twist clockwise.

5.   Plastic cover and adaptor lock

Place register top cover over the adaptor and place lock pin in its place.

Activating the Register

6.   Using magnet (recommended)

Take strong magnet and place it over the glass dome (MM logo). Indication that magnet was recognized by register appears on bottom left side of LCD => lower strip (see red arrow). Remove the magnet immediately after the indicator is visible.

Once unit has been activated with magnet, the display screen will scroll through the following images.

After the register has been activated and has scrolled through the four screens above, the register will toggle between the UPLINK frequency and the size the register is programmed for.

After approx. 10 gallons of water has run through the meter, the display will show the current reading.

LCD network signs

7.   Signal digit

The Allegro register's left most digit is dedicated to network process indications along with magnet attached.

7.1   <u>Not Activated:</u> Unit has not been activated by a magnet.

7.2   <u>Unit Not Synced with the Base Station:</u> The parallel lines indicate the register has not fully synced with the base station or repeater and is seeking.
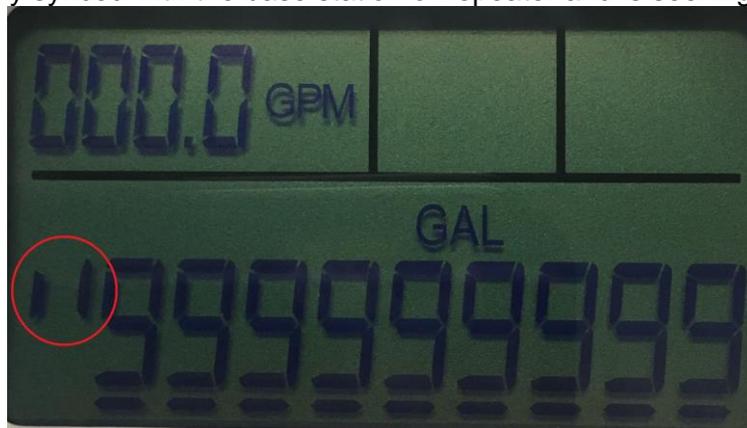
7.3   <u>Unit has made intial contact with the Base Station:</u> Unit has heard and connected to base station should have this indication.

7.4 <u>Unit has synced with the Base Station:</u> Unit has fully connected to the base station.

LCD Display

1- Flow	A1 – Flow Rate B1 – Flow Unit	
2- Flow Direction	2A – Direction indicators	
3- Alerts	A3 – Battery status B3 – System information C3 – Leak detection	
4 – Main Accumulator	A4 – Measurement unit B4 – Multiplier C4 – Accumulator D4 – AMR digit indicator	

7.5 <u>Main Consumption:</u>

- Required at least 9 digits
- Transmitted digits marker (Under line)
- Multiplying the main consumption by 10 / 100 / 1000
- 3 Decimal points 0.1, 0.01, 0.001
- Measurement unit display – GAL, m3, AFCF

7.6 <u>Flow:</u>

- Indication of flow value 4 digits
- Measurement unit display – l/s, GPM, m3/h
- Direction of flow indication CW or CCW

7.7 <u>Alarms:</u>

- Leak detection
- General icon for tamper, Cut wire
- Battery status indication in two stages