

MacIQ WM Pulse

Installation manual EN v1.0



Before installing the module, download and install the **Confit! MacIQ** mobile application

1. Installation

- 1.1. Secure the module bracket(accessory) to the water meter well using expansion bolts or provided plastic adapter on a flat surface.
- 1.2. Install MacIQ WM Pulse onto the adapter using two plastic rivets that are provided with the module.
- 1.3. Connect module using provided connectors with pulse generator of the water meter.

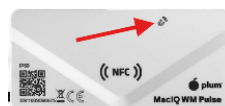
2. Configuration in Confit MacIQ application

- 2.1. Run **Confit! MacIQ** application.
- 2.2. Log in to the application using your eWebTel account (minimum required installer permissions level) and then select the Company where the modules will be installed.
- 2.3. Add new device using „+“.
- 2.4. Scan the MacIQ module QR code or enter the manual SN (pic.1).
- 2.5. Fill in or scan the serial number of the assigned water meter.
- 2.6. Enter impulse weight and the "Value of the counter V" manually according to the water meter counter reading, considering the number of digits after the dot (for an imp. weight of 1L, i.e. 0.001 m3, enter 3 digits after the dot).
- 2.7. Select "change" next to device address and „**AUTOCOMPLETE LOCATION**“ to fill in the data.
- 2.8. Enter Measurement point ID number (if required).
- 2.9. Select "**Install Device**". Confirm the entered data. Do not close the application. Wait until the application communicates with the reading platform (pic.2).

3. Initialization of the module

- 3.1. Apply the magnet to the front surface until the LED lights up, wait until it starts to pulse regularly. Then remove the magnet.
- 3.2. The module will start searching for any available LPWAN NB-IoT network. During this time, the LED indicator will flash.
- 3.3. Detection of the network and correct connection to the IT system processing the data will result in **continuous LED signaling**.
- 3.4. After the IoT module has been correctly configured, the Confit! MacIQ application will display the message "Installation completed successfully" The values of the modified parameters will be visible after clicking the "Summary" tab" (pic.3).

IOT MODULE IS READY TO USE



← CONFIGURE INSTALLATION

MacIQ WM serial

SCAN

V pulse factor

Counter value

Watermeter type

Watermeter serial

SCAN

INSTALL DEVICE

Start installation

You are about to start the installation.
Make sure the entered values are correct.

V pulse factor 0.001
Counter value 565.123 m³

CONFIRM CANCEL

pic. 1

← CONFIGURE INSTALLATION

✓ Got device data
✓ Sent modification request

Waiting for the installation to complete. Run the installation mode on the device.

← DEVICE INFORMATION

Last activity
2025-05-27 10:52:26

Counter value
565.123 m³

V pulse factor
0.001

Battery level
90

Csq
28

Watermeter serial
test

Latitude

Longitude

OK

pic. 2

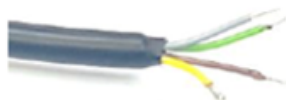
pic. 3

PLUM Sp. z o.o.

Wspólna 19 street, Ignatki, 16-001 Kleosin, Poland

Register number BDO: 000009381

MacIQ WM Pulse connection diagrams



Color	Description
White/Gray	Pulses forward
Brown	Pulses backward or direction
Green	GND
Yellow	Alarm (Flow)

Sensus HRI-Mei B2		
Wire connection	MacIQ WM Pulse	Sensus HRI-Mei B2
Pulses forward	White	White
Pulses backward	Brown	Yellow
GND	Green	Gray
Input configuration MacIQ WM Pulse		
DI1-LF pulses	DI2-LF pulses backward	DI3-off

Sensus HRI B2		
Wire connection	MacIQ WM Pulse	Sensus HRI B2
Pulses forward	White	White
Pulses backward	Brown	Yellow
GND	Green	Brown
Input configuration MacIQ WM Pulse		
DI1-LF pulses	DI2-LF pulses backward	DI3-off

Maddalena QuadraPlus

Wire connection	MacIQ WM Pulse	QuadraPlus
Pulses forward	White	White
Pulses backward	Brown	Yellow
alarm	Yellow	Green
GND	Green	Brown
Input configuration MacIQ WM Pulse		
DI1-LF pulses	DI2-direction	DI3-contact input NC

Itron Cyble Sensor

Wire connection	MacIQ WM Pulse	Itron Cyble Sensor
Pulses forward	White	White
Pulses backward	Brown	Yellow
alarm	Yellow	Green
GND	Green	Brown
Input configuration MacIQ WM Pulse		
DI1-LF pulses	DI2-direction	DI3- contact input NC

Diehl Hydrus

Wire connection	MacIQ WM Pulse	Diehl Hydrus
Pulses forward	White	Yellow
Pulses backward	Brown	Green
GND	Green	Brown
Input configuration MacIQ WM Pulse		
DI1- LF pulses	DI2- direction	DI3-off