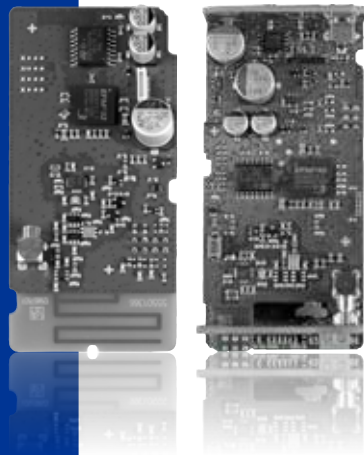


Installation and user manual

**OMNICON
Multi-Utility Controller**



Quick guide

Installation

- A** The OMNICON Multi-Utility Controller module: In the module area of the electricity meter.
- B** OMNICON Multi-Utility Controller add-on module: Is mounted with the OMNICON 2G modem in the module area of the electricity meter.
- C** When the diode on the OMNICON Multi-Utility Controller module emits light, the module is ready for use.

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1 Description

1.1 Description of OMNICON Multi-Utility Controller

- Wireless reading of water, heat, cooling and gas meters.
- Plug-and-play concept without local configuration.
- Compact installation where the OMNICON Multi-Utility Controller add-on and the OMNICON Multi-Utility Controller module are installed in the module area of the OMNIPower meter.

1.2 Application

OMNICON Multi-Utility Controller can, wirelessly, collect data from water and energy meters within reach.

The data collection takes place via Wireless M-Bus, and the communication with the central system takes place via the selected MUC solution.

Meter data are saved in the internal data logger of the OMNICON Multi-Utility Controller module and can be read via the central system. Data are logged according to predefined profiles that are adapted to the various meter types, and therefore, no additional configuration is required at the time of installation.

1.3 Preconditions

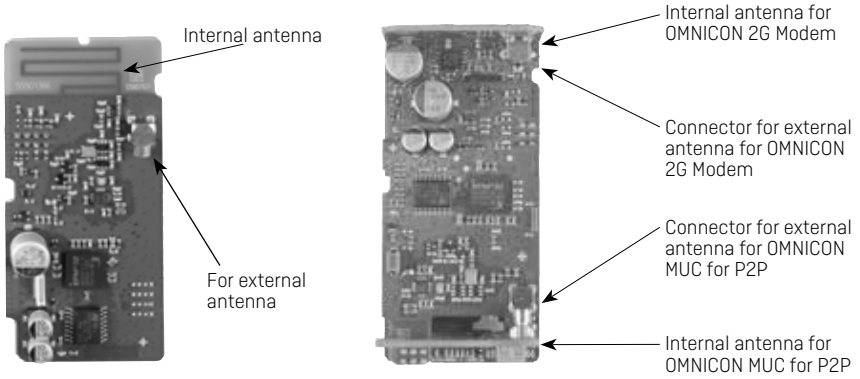
The OMNICON Multi-Utility Controller module can be mounted in:
OMNIPower meter.

Multi-Utility Controller can read the following meters with Wireless M-Bus modules:
MULTICAL® 21, MULTICAL® 302, MULTICAL® 402, MULTICAL® 61, MULTICAL® 62, MULTICAL® 601, MULTICAL® 602, MULTICAL® 801, flowIQ® 3100.

Wireless M-Bus:

Mode C1, 868 MHz.

1.4 Module overview

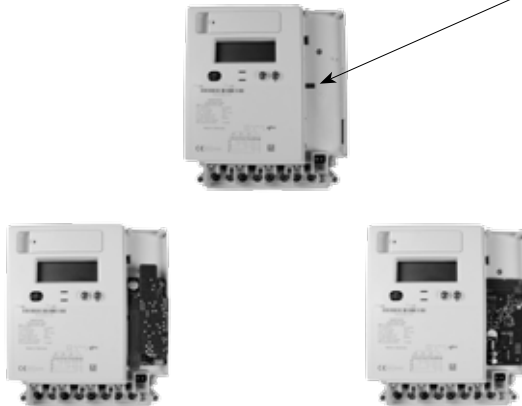


6850079 OMNICON MUC for RF

6845008 OMNICON MUC for P2P mounted on top

6850053 OMNICON 2G Modem

The OMNICON Multi-Utility Controller modules are mounted in the module area of the OMNIPower meter.



2 Mounting

1 Retrofitting/replacement of module

Mount the OMNICON Multi-Utility Controller module in the meter in the following way:

- A** Dismount the top cover of the meter
- B** Place the OMNICON Multi-Utility Controller for RF in the meter (please check that the 8 module pins are all plugged in).
Place OMNICON Multi-Utility Controller for GSM on the OMNICON 2G modem in the meter (note that all 8 pins of the module have full contact).
- C** When the diode on OMNICON Multi-Utility Controller emits light, the module is ready for use.
- D** Scan or write down the information which the central system is going to use to pair OMNICON Multi-Utility Controller with the meters which it is going to read.

This information typically includes:

- The serial number of the electricity meter in which the OMNICON Multi-Utility Controller module is mounted
- The address or installation number of the electricity meter
- The meter numbers of the flow meters which OMNICON Multi-Utility Controller is going to read.

The installer must write down or scan this information upon installation of the OMNICON Multi-Utility Controller modul in the meter. The actual pairing of the units is carried out subsequently by the central system on the basis of this information (in the central system, this information is called "usage points") – it is not something that the installer must carry out.

At installation, a MULTITERM Pro Wireless M-Bus hand-held terminal can be used to check the signal conditions and to see which meters are within reach.

See chapter 3 page 7, if the module does not indicate normal operating conditions.

- E** Mount the top cover of the meter, and seal the meter.

2.1 Antenna

Multi-Utility Controller has an integrated antenna, see section 1.4, page 4, which in most cases is sufficient to cover a regular household.

In the cases where Multi-Utility Controller is mounted in a metal cabinet, an external antenna can be connected.

The external antenna is connected to the connector of the module. The two connectors are correctly connected when you hear a "click".

Do not use any tools in connection with the mounting of the antenna connector.

The antenna cable is placed within the module's plastic frame and is led out through the cable channel at the very bottom of the electricity meter.

If an extension of the range is required, it is possible to use Radio Link Repeater (order No. 6697041), which is in principle a "wireless antenna". This repeater must be paired with the MUC module by means of a MULTITERM Pro Wireless M-Bus hand-held terminal. Note that only the repeater with order number 6697041 functions together with Multi-Utility Controller.

3 Error detection help

The light emitting diode turns off automatically after 10 minutes.

The light emitting diode of OMNICON Multi-Utility Controller does not emit light

The diode emits light when the module is ready for use, and when the communication between the meter and the module is tested.

If the diode does not emit light, check the following:

- A** Is the meter powered?
- B** Is the module correctly mounted, i.e. are all 8 module pins plugged in?
- C** Is the meter an older version (see section 1.3, page 3)?

4 Ordering

6850079	OMNICON Multi-Utility Controller module for OMNIPOWER meters with RF.
6845008	OMNICON Multi-Utility Controller add-on module for OMNIPOWER meters with OMNICON 2G Modem

4.1 Støtteprodukter

6697042	MULTITERM Pro Wireless M-Bus hand-held terminal
6697125	Installation Tool, software plug-in for MULTITERM Pro
6697041	Radio Link Repeater
6699448	Mini-Triangle antenna with 2.5 m cable

