

Installation guide

• **Installation of external antenna**



# OMNIPOWER® RF

## Installation of external antenna

If an increased signal range is needed, Kamstrup's external RF Triangle antenna is used.

Follow the instructions below for correct installation and greatest signal output:

- 1 Mounting**  
Mount the antenna vertically with the antenna cable at the antenna's bottom.
- 2 Position**  
Place and attach the antenna as high as possible, free from other technical installations.
- 3 Setup**  
In case of setup on a wall or the like, a cut must be made in the bottom of the antenna's plastic mantle so that the antenna cable is not jammed or damaged.
- 4 Connectivity**  
Connect the antenna to the electricity meter's RF connector for external antenna, which is placed behind the grey cover. When inserting the antenna connector, a clicking sound must be heard clearly.
- 5 Cover**  
Make a cut in the grey cover of the electricity meter so that the antenna cable is not jammed or damaged.

### Nice to know

Minimise the signal loss by using the shortest possible antenna cable length

Surplus antenna cable must be rolled up with a diameter of at least 10 cm

The antenna cable must not have any sharp bends or be damaged

If the electricity meter is placed in a metal cabinet or the like, the external antenna is placed outside of the metal cabinet

The antenna is directionally oriented. Therefore, place the antenna with its front towards a window or on a building facade directed towards other OMNIPOWER® RF meters

Kamstrup's RF Triangle antenna with MCX connector is available with 0.5 m, 1 m, 2.5 m and 5 m cable

Visit [kamstrup.com](http://kamstrup.com) for further info

If a longer antenna cable is required, Kamstrup's RF Triangle antenna with 0.3 m cable and SMA connector as well as Kamstrup's super low-loss cable in the lengths 5 m, 10 m, 15 m, 20 m and 25 m are used. For this purpose, the 0.3 m MCX for SMA cable adapter is used. External cable joints must be protected by heat-shrinkable tubing.

