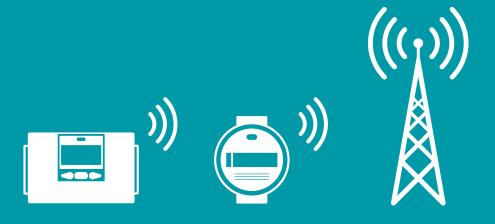


Information about antenna units

When installing smart meters for reading the energy and water consumption, a reading system will usually be connected to the meters.

In this connection, concentrators for the collection of data from the meters are used. Subsequently, the measuring values are forwarded to the utility company.

To obtain a good radio connection in the system, it may be necessary to install antenna units at some consumer locations.



About the concentrator

Installation

A concentrator set is designed for indoor and outdoor installation.

The set consists of a PSU unit and a concentrator unit. The PSU supplies the concentrator with power and internet connection. The internet is connected either via modem or a wired connection.

When installing, the units are mounted in their respective suitable cabinets of stainless steel (the PSU) and aluminium (concentrator). It is preferred to place the PSU unit at the bottom of the installation object and the concentrator close to the antenna unit. The placement can vary as required.

The installation method has been worked out to ensure optimal radio coverage and obtain the best operating conditions under all weather conditions. Note that it may also be necessary to install a double antenna.



The concentrator transmits data about once an hour in the same way as a mobile phone.

Supply

READy PSU-4 Input: 85-265 VAC 50/60 Hz

Output: 24 VDC/10 A

Power consumption Up to 530 kW/H

Dimensions

PSU HxWxD: 394 x 313 x 181 mm Concentrator HxWxD: 280 x 230 x 112 mm

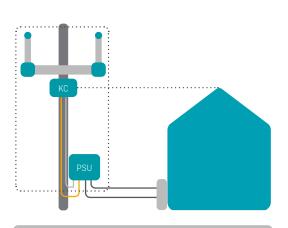


READy Concentrator 1M



READy PSU-4





Standard setup of antenna unit

The images show examples of various antenna unit placements.







Silo



Rooftop installation



Chimney



Lattice tower



READy Concentrator 1M mounted on rooftop gable with double antenna



READy PSU-4 mounted at street level

We create progress for others

Kamstrup is among the world-leading providers of smart solutions for the optimisation of the water and energy consumption. We are 100 percent Danish owned and a quarter of our employees work with innovation. Our solutions are used all over the world by utility companies, property administrators and building owners, etc. for reliable and cost-effective measurements. By anticipating the challenges faced by our customers, we give them the opportunity to run a better business and inspire them to adopt more intelligent and responsible solutions for the buildings they manage or own.

Our solutions range from consumption meters and remote reading systems to analysis, hosting, system operation and service. All products are produced in Denmark with the highest certificates in the fields of environment and quality, and we are represented in more than 80 countries through local offices or distributors.



Think forward

Kamstrup A/S

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