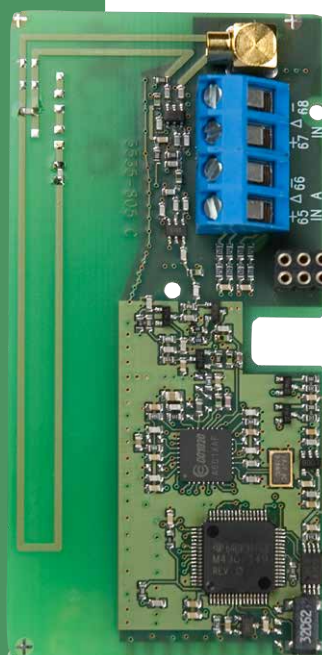


Data sheet

RadioRouter modules

for MULTICAL® 66 and 601

- Automatic radio reading of MULTICAL® energy meters
- Built-in router functionality
- Autodetection of radio frequency on two channels
- Built-in radio antenna and external antenna connection
- Two extra pulse inputs for connection of water and electricity meters
- Plug-and-play
- Supplied by the meter
- Supports leakage and bursting alarms
- Data from the meter is read in as less as one second



Application

The RadioRouter module is mounted in a MULTICAL® energy meter and functions as a router unit in a radio network. In addition, the module functions as an ordinary radio module and can be read via hand-held terminal.

The RadioRouter module can be installed in a MULTICAL® without configuration and is ready for communication in less than 30 seconds after mouting.

The reading system then determines which data should be read in the RadioRouter module. Data are transferred once a day from MULTICAL® to the memory of the RadioRouter module.

The RadioRouter module is equipped with two radio channels and automatically detects, whether communication is HI-power or LO-power. This provides good stability and high security when transferring data.

The built-in router functionality provides the possibility of building up a radio network between the individual meters and the central RF Concentrator controlling the radio communications to and from the meters.

The RadioRouter module is delivered with extra pulse inputs for water or electricity meters.

Kamstrup's radio system is extremely robust to interference.

Technical data

Supply	Supplied by the meter which must be mains supplied (24/230 VAC)
Range	Up to 350 meters With external antenna - up to 1,000 meters
Frequency band	Available for licence free and licence demanding frequencies: 434 MHz range (licence free) 444 MHz range (licence demanding)
Output power	10 mW on both radio channels
Reading period	Just one second for short data package containing billing data



Mechanical data

Dimensions	45 x 90 mm
Ambient temperature	-40 – +60 °C
Mounting	In the meter's module area

Marking/approvals

CE marking	
EN 1434 approval	
R&TTE directive	EN 300 220 – class 2 EN 301 489, EN60 950, EN62 311

Ordering

Description	Type No.
RadioRouter module for MULTICAL® 66	660K 000 3XX
RadioRouter module for MULTICAL® 601	6700 210003XX
- frequency codes	319 EU 349 DK
External triangle antenna, with 2.5 m antenna cable	6699 407
External triangle antenna, without antenna cable	6699 408
Converter box for external triangle antenna, without antenna cable	6699 417
Antenna cable for external triangle antenna, without antenna cable	6699 460

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