

RF M-Bus Converter II

Universal converter for consumption meters with M-Bus

Converts M-Bus into radio

Built-in RTC with 5 day back-up

Built-in hourly logger and event logger

Autodetection of radio frequency on 2 radio channels

Autodetection of baudrate for M-Bus communication

Transmitting power configurable up to 500 mW

Built-in router functionality

Built-in radio antenna and optional external antenna connection

Optional connection of GSM modem



Application

RF M-Bus Converter II is a universal converter for consumption meters, equipped with M-Bus. It converts M-Bus into radio and integrates meters with M-Bus in a radio system.

The universal converter is used for all makes of heat, electricity and water meters with M-Bus complying with EN13757, including Kamstrup, SVM, Actaris, Enermet and Sappel.

The universal converter has a built-in real time clock (RTC) and time stamps all data.

It reads hourly data and event logs from the connected meter and functions at the same time as supply unit for the meter's M-Bus module.

The converter is equipped with two radio channels and detects automatically, if communication is HI-power or LO-power radio.

In the same way the converter automatically detects the baudrate of the M-Bus communication between meter and converter.

RF M-Bus Converter II can be used in radio networks, drive-by systems where data are read via hand-held terminal and in connection with point-to-point reading via GSM modem.



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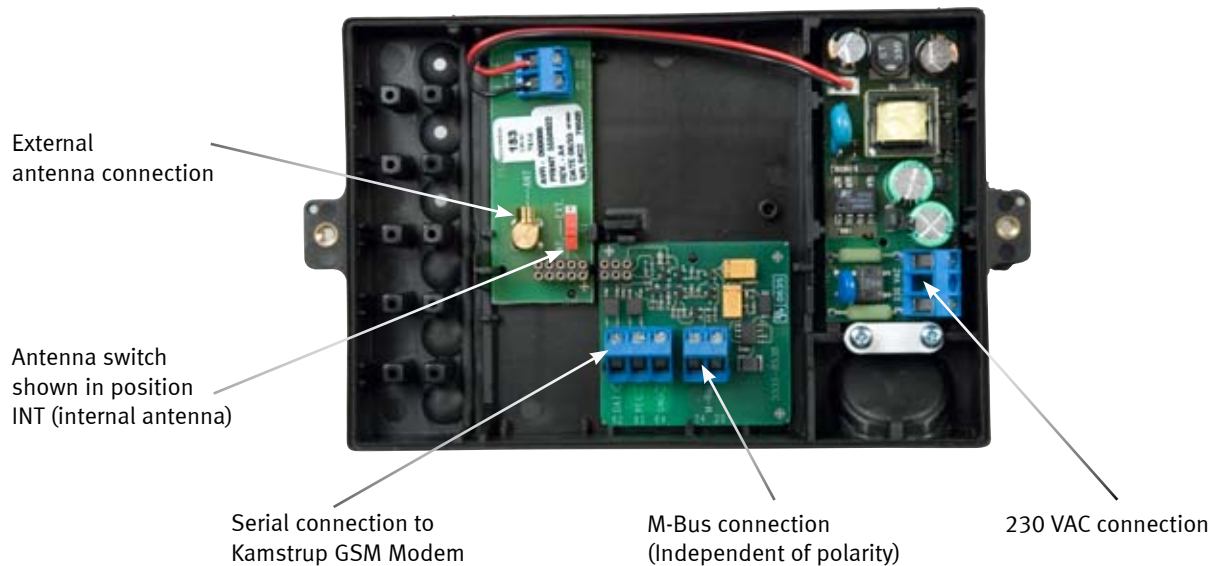
Loggable data (if available in the connected meter)

Energy	ΔT
Volume	Actual power
Hour counter	Actual flow
T_{flow}	This data is always time stamped by the built-in RTC (Real Time Clock) of the RF M-Bus Converter II.
T_{return}	

Technical data

Dimensions	147x100x45 mm	Logging depth	1080 registers = 45 days of hourly data
Supply	230 VAC	Frequency range	434 MHz range (licence free) 444 MHz range (licence demanding)
Consumption	<1W		
Transmitting power	Up to 500 mW (depending on country)		

Connections



5810-553 GB/06.2007/Rev. A1

Markings and approvals

CE marking	R & TTE directive	EN 300 220 – Class 2
EN 13757		EN 301 489

Ordering

RF M-Bus Converter II, NET 0	6699 LXXX	3XX
RF M-Bus Converter II, NET 1	6699 MXXX	3XX
– Following frequency codes (3XX) have been released		318 CH
		319 EU
		328 SE
		339 NO
		349 DK
External triangle antenna, 1.5 meter antenna cable	6699 407	
External triangle antenna, without antenna cable	6699 408	
Converter box for external antenna (6699 408), without antenna cable	6699 417	
Antenna cable for external antenna (6699 408), without antenna cable	6699 460	