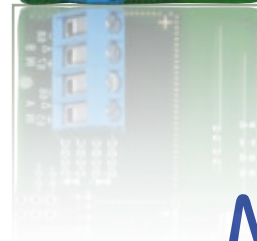


Data sheet

Wireless M-Bus modules for Radio Link network

- Designed for network reading
- Up to 16 years' battery lifetime
- Stable and fast reading
- Unlicensed European frequency
- Standardised radio protocol
- Internal antenna and external antenna connection



Part of Radio Link network

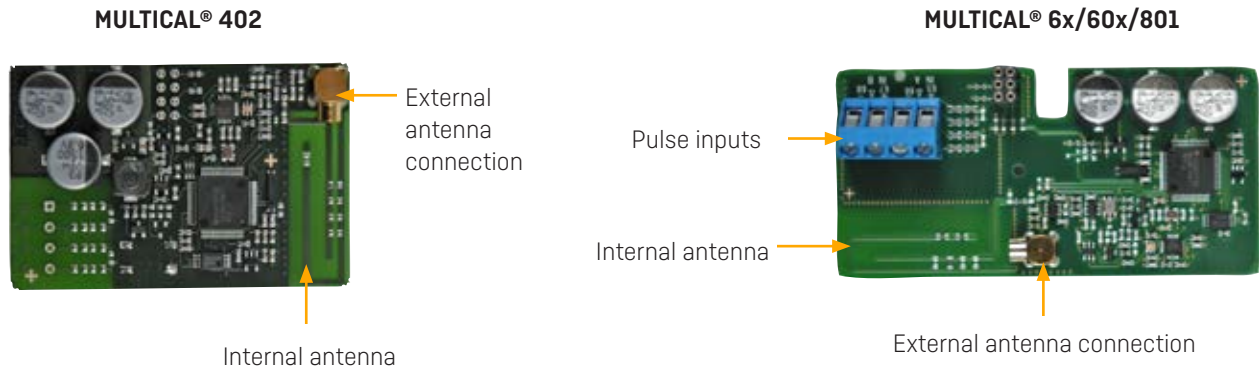
The Wireless M-Bus modules for fixed networks are designed to be integrated in Kamstrup's Radio Link network solution.

The modules can be used in Kamstrup's heat, cooling and combined heat/cooling meters MULTICAL® 801, MULTICAL® 602, MULTICAL® 601 and MULTICAL® 402 as well as in the water meters MULTICAL® 62 and MULTICAL® 61.

The module itself finds the meter type in which it is installed and is ready for communication without further configuration within 16 seconds.

The data telegram is created on the basis of the meter type (heat, cooling, combined heat/cooling or volume) and is automatically sent out in the network every 96 seconds.

Module



Technical data

Frequency

868.95 MHz
[EU licence-free area 868-870 MHz]

Communication

Wireless M-Bus, C mode, one-way communication

Standard

EN13757-4

Transmission interval

96 seconds

Transmission strength

25 mW

Battery lifetime

- MULTICAL® 601/61: 10 years
- MULTICAL® 602/62: 13 years
- MULTICAL® 402: 16 years
- MULTICAL® 801: Mains supplied meter

Range

- Internal antenna: Up to 300 m
- External antenna: Up to 600 m

Update interval (data)

Every 2 seconds

Mechanical data

Dimensions [L X W x D]	90 x 44 x 16 mm [MULTICAL® 801/602/601/62/61] 64 x 42 x 12 mm [MULTICAL® 402]
Temperature range	-40°C...+ 70°C

Markings

R&TTE

- EN300 220 - class 2
- EN 301-489

CE marked

Data telegram

Heat meter:

Heat energy E1
Energy E8, V1*T1
Energy E9, V1*T2
Volume V1
Info Code
Flow
Temperature T1
Temperature T2
Hour counter

Cooling meter:

Cooling energy E3
Energy E8, V1*T1
Energy E9, V1*T2
Volume V1
Info Code
Flow
Temperature T1
Temperature T2
Hour counter

Combined heat/cooling meter:

Heat energy E1
Cooling energy E3
Energy E8, V1*T1
Energy E9, V1*T2
Volume V1
Info Code
Flow
Temperature T1
Temperature T2
Hour counter

Volume meter:

Volume V1
Info Code
Flow
Temperature T1
Hour counter

Ordering

Description

MULTICAL® 6x/60x/801

MULTICAL® 402

External antenna, mini triangle antenna, 2.5 m cable

Type No.

6700**38**0000000

40200**38**0000000

6699 448

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