

Engelmann Radio Module

FAW

Radio Module Wireless M-Bus for Water Meters with Modularis System



- Plug-on detection
- Direct mounted (no cable)
- Detection of manipulation: removal; magnet
- Back flow detection
- Estimated lifetime: **12 + 1 years**
- Communication interfaces: **wireless M-Bus;
optical interface**

Technical data:

FAW

Temperature range medium	°C	0 – 105
Storage temperature / ambient temperature in the field	°C	1 – 55
Transport temperature minimum	°C	-20 for seven days
Transport temperature maximum	°C	70 for 24 hours
Interfaces		optical interface (M-Bus protocol), wireless M-Bus
Power supply	V	3; lithium battery
Estimated lifetime	years	12 + 1
Data storage		nonvolatile memory; once daily
Protection class		IP68

Technical data wireless M-Bus radio interface

Telegrams		short telegram in conformity with OMS (AMR) (serial number FAW / water meter, total volume, information message, serial number FAW), long telegram for walk-by read-out* (serial number FAW / water meter, reading date volume, reading date, 15 monthly values, total volume, information message, serial number FAW)
Transmission power (maximum)	dBm	13
Frequency	MHz	868
Selectable modes according to EN 13757-4		S1; T1; C1
Encryption		AES 128 (factory setting: Engelmann Master Key)
Radio activation date		01.01. - 31.12. (day.month) (not 29.02.)
Transmission period		transmission interval: 2 – 240 min (4 min)* transmission period: 0 h – 24 h (8 am – 6 pm)* weekdays: Mo – Su (Mo – Fr)* weeks in a month: 1 – 4 (1 – 4)* months: Jan – Dec (Jan – Dec)*

* factory setting

Weight

Weight	kg	0,54 (package with 10 pcs)
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Dimensions

Additional housing above display of water meter	mm	14
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