

## WIRELESS M-BUS RADIO DEVICES FOR SMART METERING

169 Mhz / 868 Mhz



DRF2-TX169PA/868



DRF-USB169

DRF-USB868



### DRF2-TX169PA/868

Radio device conform to the standard Wireless MBus compatible with any water/energy meter with a pulse output for the remote transmitting of the relative consumption.

The DRF2-TXxxx is able to acquire two reed type inputs (potential-free contact), store data with a history of up to 12 months and transmit them via radio using the Wireless MBus protocol to any device that communicates with this protocol, portable terminal, concentrator, etc..

The transmission timing like all parameters can be configured via radio at the time of installation.

## DRF2-TX169PA/868

Very robust and reliable structure, inserted in a IP68 plastic container that can be inspected, which allows replacing the Lithium battery inside without having to replace the entire device as happens for most of the devices on the market

TECHNICAL SPECIFICATIONS	DRF2-TX169PA	DRF2-TX868
Dimensions:	60 x 30 x 190 mm	60 x 30 x 110 mm
Counter inputs	2 potential-free contacts	2 potential-free contacts
Battery	Lithium 3.6 V	Lithium 3.6 V
Battery Life	> 10 years*	> 10 years*
Transmission protocol	Wireless MBus N1 Mode	Wireless MBus S1/C1/T1 Mode
Transmission power	from 1 to 27 dBm	+ 12 dBm
Operating temperature	- 15 + 55	- 15 + 55
Configuration/installation	Via radio	Via radio
Code	AES128	AES128
Range	> 5000 m	300 m
Antenna	INTERNAL	INTERNAL
Box sealing cat.:	IP68	IP68

\*depending on configuration

**Configuration:** A DRF-USBxxx and the WTWINCOM software are required to configure the module. The software is compatible with Microsoft Windows 2000, XP, Vista, 7 and 8.



## DRF-USB169/868

The USB-Wireless Mbus universal interface is compatible with the USB ports on personal computers. The Wireless Twincom software, developed for Microsoft Windows, allows reading data from any device using the standard protocol Wireless Mbus. DRF-USBxxx is required for setting the parameters during installation of the DRF-TXxxx modules and subsequently for reading the data coming from the same.

Thanks to the Wireless TwinCom software features, it is also possible to create archives to manage the data received.

TECHNICAL SPECIFICATIONS	DRF-USB169	DRF-USB868
Dimensions:	65 x 22 x 18 mm	65 x 22 x 18 mm
Power supply:	Via USB	Via USB
Transmission power:	16 dBm	12 dBm
Transmission protocol:	Wireless MBus N2 Mode	Wireless MBus T/S/C Mode
Baud rate	from 9600 to 115.200 bps	from 9600 to 115.200 bps
Antenna	SMA	INTERNAL
Box sealing cat.:	IP55	IP55



Standards of reference ETSI EN300220V2.3.1 / EN13757-3 / EN13757-4

The technical specifications and photos are purely indicative and the data must always be confirmed by DEA-ht S.r.l.

**DEA-ht S.r.l.**

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