

## RADIO DEVICES FOR THE COLLECTION AND MONITORING OF DATA AND MEASUREMENTS

Temperature / Vibrations / Landslides / Levels / Humidity

**169 Mhz / 433 Mhz / 868 Mhz**



**DRFG-TX169/433/868**

**DRFG-USB169/433/868**

**Wireless**)))

### **DRFG-TX169/433/868**

DRFG-TXxxx is a device able to acquire data from any type of sensor, temperature, humidity, flow, vibration, pressure, power etc., store data with a history of 12-months and transmit them via radio to a pc or other acquisition device. The transmission timing like all parameters can be configured via radio at the time of installation.

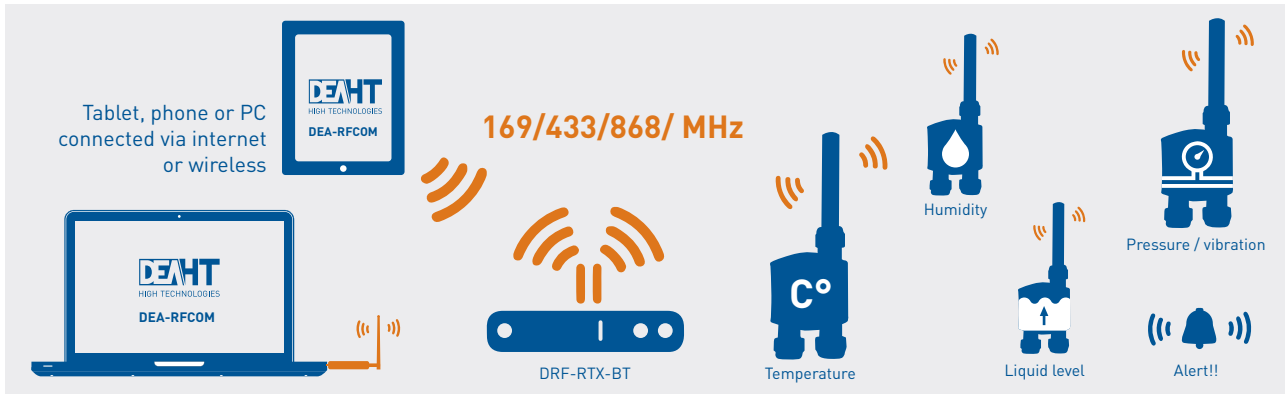
#### **Main features:**

- Very simple and fast to install
- internal battery life > 10 years
- IP68 Sealed box
- Range > at 5 Km (ver. 169 MHz PA)
- Customisable for any type of sensor
- Integrated antenna
- Digital and analog inputs

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

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## DRFG-TX169/433/868

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	DRFG-TX169PA	DRFG-TX433	DRFG-TX868
Dimensions	60 x 30 x 190 mm	60 x 30 x 110 mm	60 x 30 x 110 mm
Counter inputs	up to 4**	up to 4**	up to 4**
Battery	Lithium 3.6 V	Lithium 3.6 V	Lithium 3.6 V
Battery Life	> 10 years*	> 10 years*	> 10 years*
Transmission protocol	Owner	Owner	Owner
Transmission power	27 dBm	+ 12 dBm	+ 15 dBm
Operating temperature	- 15 +55	- 15 +55	- 15 +55
Configuration/installation	Via radio	Via radio	Via radio
Range	> 5000 m	300 m	300 m
Box sealing cat.:	IP68	IP68	IP68

\*depending on configuration

\*\* 4 digital or analog configurable inputs

**Configuration:** a DRFG-USBxxx and DEA-RFCOM software are required to configure the module. The DEA-RFCOM software is compatible with Microsoft Windows 2000, XP, Vista, 7 and 8.



## DRFG-USB169/433/868

The USB-Wireless universal interface is compatible with the USB ports on personal computers. The DEA-RFCOM software, developed for Microsoft Windows, allows reading data from any device using the same protocol. DRFG-USBxxx is required for setting the parameters during installation of the DRFG-TXxxx modules and subsequently for reading the data coming from the same. Through the DEA-RFCOM software features, it is also possible to create archives to manage the data received.

TECHNICAL SPECIFICATIONS	DRFG-USB169	DRFG-USB433	DRFG-USB868
Dimensions	65 x 22 x 18 mm	65 x 22 x 18 mm	65 x 22 x 18 mm
Power supply	Via USB	Via USB	Via USB
Transmission power	16 dBm	12 dBm	15 dBm
Transmission protocol	Owner	Owner	Owner
Baud rate	from 9600 to 115.200 bps	from 9600 to 115.200 bps	from 9600 to 115.200 bps
Antenna	SMA	INTERNAL / SMA	INTERNAL / SMA
Box sealing cat.:	IP55	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.

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