



## Door Contact Sensor RF Transmitter

### Features

- Magnetic Door Switch Sensor
- Monitor the Status on a Smartphone - anywhere.
- On Activation, Automatically Trigger a Local RF Receiver
- RF FM or LoRa Spread Spectrum
- FM Range upto 1Km
- LED TX Indication
- Power 2 x AAA Battery (supplied)
- Battery Life > 1 Million Transmissions
- Weatherproof IP68 Enclosure
- High Quality UK manufacture



### Description:

Supplied ready to deploy, this RIoT Sensor Transmitter can be used to monitor a Door / Window or any opening closing device. Whenever the contact is operated an RF signal is sent.

Used in conjunction with the RIoT Minihub the switch status is transferred over the internet to user(s) Smartphone/PC anywhere in the world.

Alerts can be set to trigger notifications and also directly activate a local RF Receiver unit (which provides switching relay contacts).

### Ordering Information

Part Number	Description
SEnw-DC-8T1	Door Contact Transmitter 868MHz
SEnw-DC-9T1	Door Contact Transmitter 918MHz

# RIoT Door Contact RF Transmitter



## Application example



## Technical Specification:

**Dimensions** Main Enclosure: 92 x 92 x 59mm.  
Surface Mounting Door Contact 68 x 15 x 13mm

**Operating Temperature** 0 to +70° Celsius.

Electrical Characteristics	Min	Typical	Max	Units
Operating Frequency*		869.500 918.000		MHz
RF Output power			+20	dBm
Bandwidth (Spreading Factor)		60		KHz
Time from Activation to Receiver Active		25		mS
Supply Current: Transmitting Data		85		mA
Supply Current: Receiving Data		13		mA
RF Packet TX Transmit operation: Mode FM Mode 3		20 200		mSecs

## Battery Life Expectancy Calculation:

2 x AAA batteries provide 1000mAH of capacity will provide ~ 1.3M FM RF Transmissions

### RF Solutions Ltd. Recycling Notice

Meets the following EC Directives:

**DO NOT** Discard with normal waste, please recycle.

**ROHS Directive 2011/65/EU and amendment 2015/863/EU** Specifies certain limits for hazardous substances.

**WEEE Directive 2012/19/EU** Waste electrical & electronic equipment. This product must be disposed of through a licensed WEEE collection point.

RF Solutions Ltd., fulfils its WEEE obligations by membership of an approved compliance scheme,

Environment agency registration number **WEE/JB0104WV**.



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