

Data overview 868 MHz

Transmitter

Signal generation:	PLL with fundamental oscillator
Bandwidth:	9 kHz
Operation frequency:	868.3 MHz
Antenna:	integrated print antenna or rod aerial
Power supply:	3V DC ... 12V DC battery
Lower function limit:	2V DC
Type of modulation:	A1D (100% AM)
Length of codeword:	10 ... 66 bit, depending on demand
RF output power:	approx. 50 μ W

No Standby – power due to no current at rest!

Receiver

PLL – receiver, true double- superhet – receiver

1st intermediate frequency:	60 MHz (LC)
2 nd intermediate frequency:	10.7 MHz (resonator)
IF – bandwidth:	\pm 25 kHz!!!
Sensitivity:	typical 0.5 μ V at usual signal-to-noise ratio
Input impedance:	50 Ω (approx. value)
Antenna:	8.6 cm ($\frac{1}{4}$ wavelength)
Decoder:	digital, special protected solution
Lower response time:	100 ms
Output:	optional as: <ol style="list-style-type: none">1. potential free relay output2. Open collector output3. Buffered logic gate4. Display on monitor incl. video system5. Supply in a mobile phone net

Transmitter approval according to the R&TTE – directive.
Notification procedures in most countries worldwide possible!