

Safe and harmless Sontex Supercom Radio System

Application note

The implementation and the use of the radio system Sontex Supercom in / or close to residential areas coupled with Sontex measuring devices for the individual billing of heat costs is from any point of view harmless.

The integrated radio technology of the measuring devices is consistent with the European standard 2014/53/EU on the harmonisation of the laws relating to the making available on the market of radio equipment.

The radio system Supercom from Sontex is bi-directional. It emits only if needed without unnecessary electromagnetic load. This means that no device will emit independently at different times. The device emits if it is requested, normally once per year or at most once per week for approximately 15 seconds.

The maximum power of the radio system is 10 mW at a frequency of 433,82 MHz. This frequency is also common among automatic garage door openers or baby phones. Compared with the transmission power of mobile phones and the short transmission time the radio load is negligible as the comparison table below shows.

Comparison of transmission powers:

System	Power	Ratio	Duration	Distance to people
Supercom Sontex Radio	10 mW	-	15 s – 800 s/year	0,5 m - 5 m
Mobile phones UMTS	250 mW	25 times more	almost permanent	0 - 5 cm
Mobile phones GSM/GPRS	2000 mW	200 times more	almost permanent	0 - 5 cm

The transmission of the data is protected through the proprietary radio protocol from Sontex. The radio system Supercom from Sontex is unique and independent and can't be mixed, combined or manipulated by any other radio systems.



Technical Support

For technical support, contact the local Sontex agent or Sontex SA directly

Hotline Sontex:

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Subject to change without notice