

RF1100 Technical Description

The RF1100 is a wireless RF Glassbreak alarm. The RF1100 monitors and characterizes sound to detect breaking glass. The RF1100 also monitors wall and cover tamper switches.

The RF1100 transmitter has a carrier frequency of 304 MHz with a SAW based RF oscillator. The RF data format of each transmission complies with **RF_5Kbps_Protocol**.

The RF1100 has a tamper switch used to monitor the access door. There is also a wall tamper switch with a break-out enable in the plastic housing. These switches are connected in parallel so either one will cause a tamper transmission if activated by opening the access door or, if enabled, by removing the Glassbreak detector from it's mounting surface.

The RF1100 transmits multiple packets of a message under the following conditions. All transmissions include the battery status.

- 8 packets transmitted for a status change on the tamper switches or a Glassbreak alarm.
- 4 packets transmitted for a supervisory signal every 65 minutes if a status change transmission has not been transmitted within that time period.

Bosch Security Systems		
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