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| <b>BOSCH</b><br>Security Systems | Technical Description | Rev. 04-OCT-04 |
|                                  | RF3402                | Page : 1 of 1  |

**The RF3402 transmitter is designed for monitoring doors and windows. It has an internal reed switch for use with the supplied external magnet assembly and a tamper switch which activates when the housing cap is removed.**

**The microcontroller wakes up on reed switch activity or cap tamper switch activity and transmits the status of each switch. In addition, supervisory transmissions are initiated approximately every 65 minutes if there is no other activity during that period. The battery level is compared to a threshold at the beginning of any transmission. The battery status is then included in the transmission.**

**When the external magnet is in close proximity to the transmitter, the reed switch will be closed. Moving the transmitter and magnet sufficiently apart will cause the reed switch to open. A transmission will be initiated with each state change of the reed switch. A transmission will also be initiated with each state change of the tamper switch.**

**In the event that no switch activity has occurred in 65 minutes, a supervisory transmission will be initiated that will indicate the current switch and battery status. This transmission is intended to indicate to the rest of the system that the transmitter is active and functioning normally.**