

# **MOTION DETECTORS AND PACEMAKERS**

In response to questions we have received regarding pacemakers and the use of microwave motion detectors, B.E.A. can assure you that there is no risk.

The American Radio Frequency Radiation Protection Standards specify an exposure limit depending on the operating frequency of microwave detectors for automatic doors.

**From 1.5 to 100 Ghz, the exposure limit must not exceed 5 mW/cm squared**

The radiation emitted from B.E.A.'s motion detectors is extremely low in comparison with this limit.

Our K-band detectors (Eagle, SU100, VGO87-C, SU050, IS-87, IS-87 XL, CPSS-12, MS-07) operate at a frequency of 24.125 Ghz. The radiation from these detectors is as follows:

at a distance of 3 feet: 0.000625 mW/cm squared  
at a distance of 2 inches: 0.225 mW/cm squared

**This radiation is FAR less than that specified by the American Radio Frequency Radiation Protection Standards, and therefore will cause no interference with pacemakers.**