

Sonar based security system

Project Abstract:

We intend to make a sonar based security system, which can be used in high security vaults etc. to detect motion. It consists of a sonar sensor attached to a server motor. The server motor rotates in steps and the sonar sensor reads distances of the nearest objects at each point. This data is stored. The server motor then rotates anticlockwise in steps, and the distances now collected are compared to the distances previously stored. If there is any discrepancy in data, there has been movement in the room and the alarm goes off.