AMICALL

Intrusion Detection & Automatic Calling System

HUMAN TOUCH SOFT

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1. Introduction

AmiCall

- Detects an intruder using a sensitive heat sensor
- Automatically dials programmed telephone numbers (such as cellular phone, home, office, etc)
- With the customizable warning message
- Has a speaker to blow a siren

Because of

- Increasing number of empty homes during day time because of both husband and wife working
- Increasing outside leisure activities during weekend
- Increasing number of single life style people
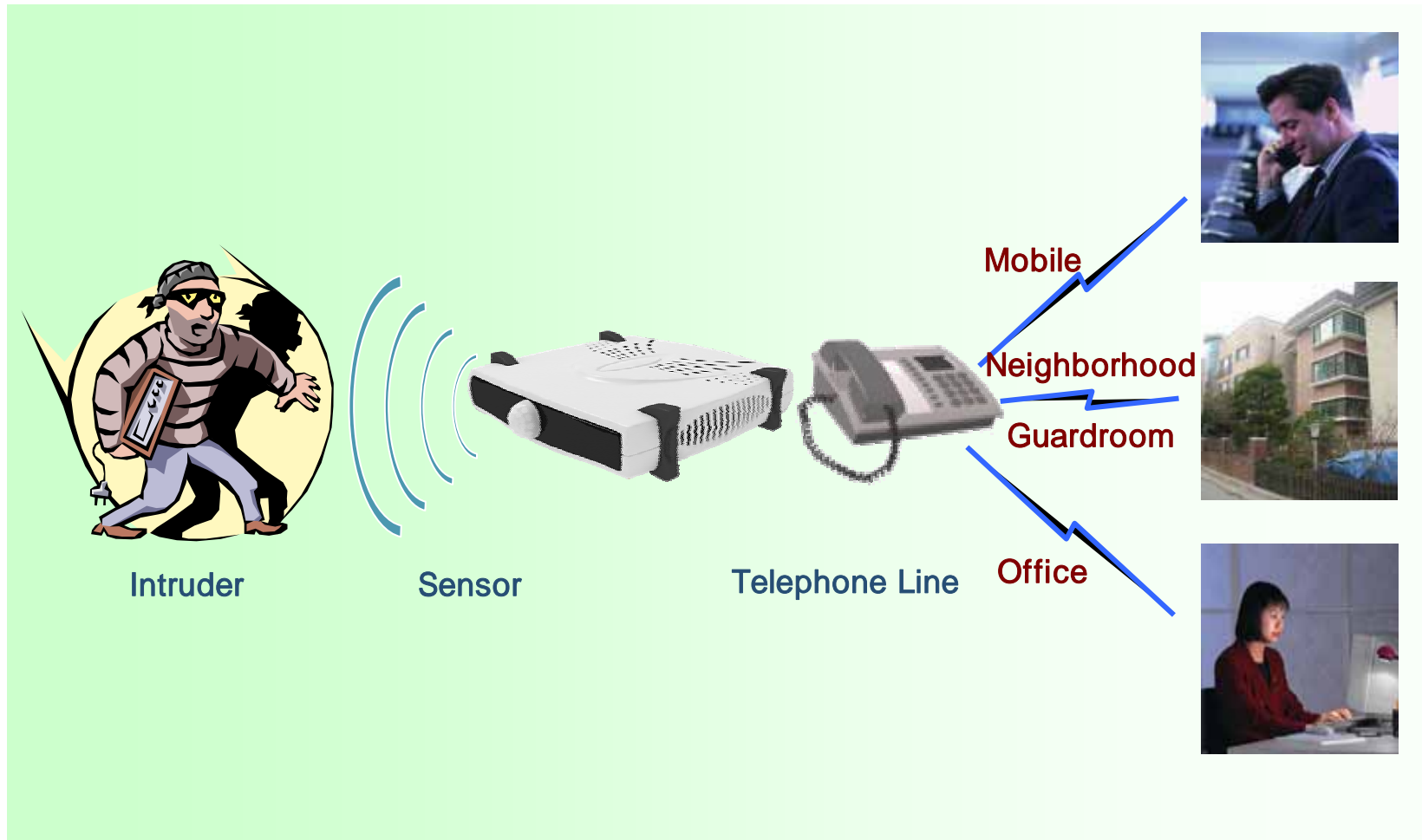- Need for the low cost surveillance system

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1. Introduction

Applications

- Detection of an intruder at home, office, or store
- Detection of children's arrival at home
- Detection of visitors to the store or office
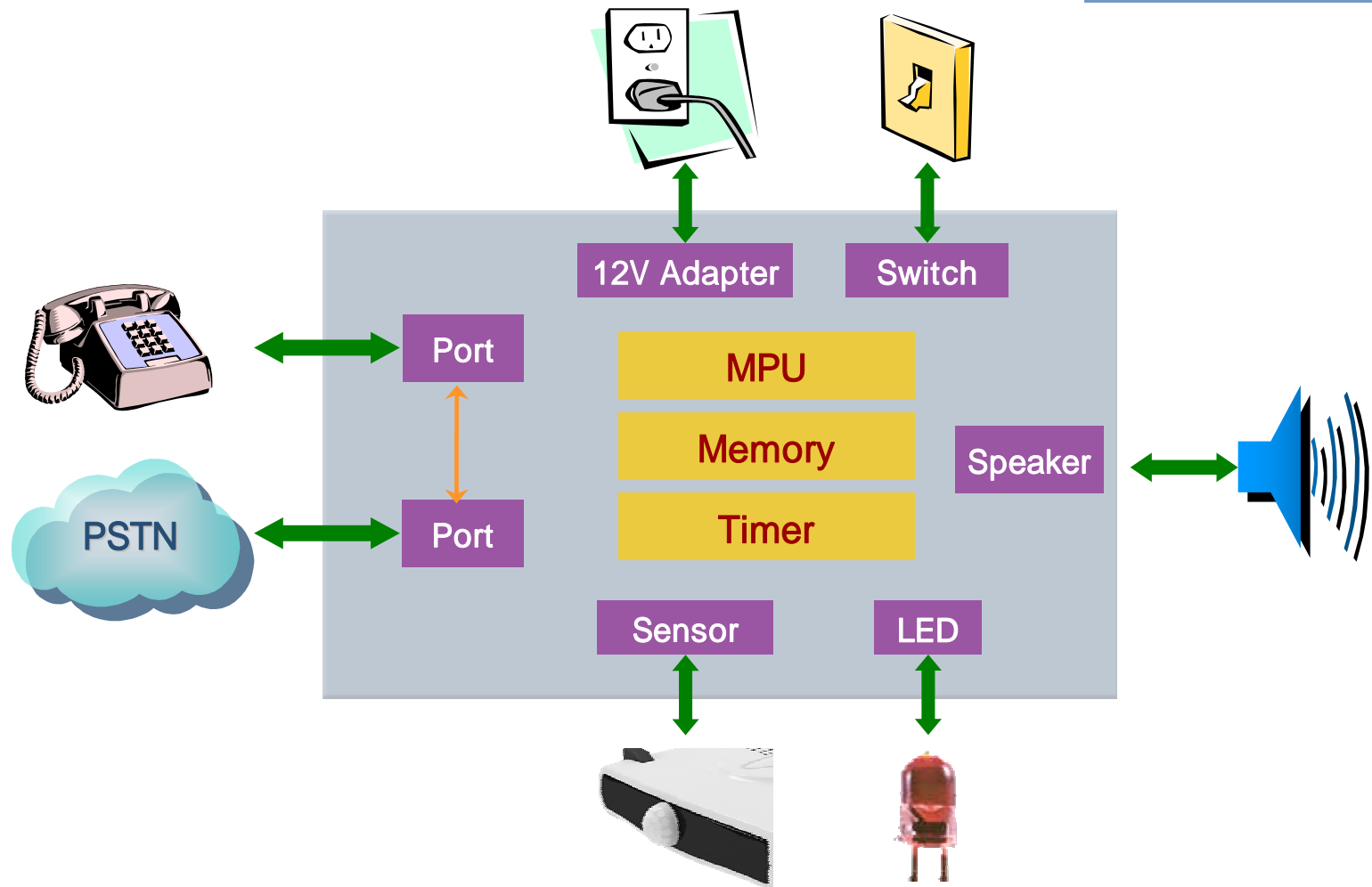- Peace of mind without paying high cost service fee

Features

- Low cost but providing key surveillance functions
- Easy to use and install (one piece design)
- Coming Amicall will provide smarter home networking functions as well as basic surveillance functions

2. Diagrams

Intruder · Sensor · Telephone Line

Mobile · Neighborhood · Guardroom · Office

Operation Diagram

2. Diagrams

Hardware Block Diagram

3. Functions

Inactive Mode:

- User can make a phone call as usual (Green LED ON)

Active mode (Surveillance mode):

- Heat sensor detects a moving object
- Within the distance of 5~7 meters
- Within the angle of left-right 100° & up-down 80°

Alarm mode:

- Dials up to 5 programmed telephone numbers in order
- Plays pre-recorded warning message twice

Setup mode:

- User can program up to 5 telephone numbers such as cellular phone, apt management office, or neighbors
- User can record his own warning message

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4. Coming AmiCall

AmiCall → **Home Networking** → **Ubiquitous**

▶ Will add more surveillance functions such as gas and fire detection

▶ Will deploy simple home networking functions such as remote controlling A/C switches and two way communication functions by utilizing PSTN

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