

NOVEMBER 4, 1999

PRODUCT OPERATIONAL DESCRIPTION:

The submitted product is a special alarm unit whose purpose is to protect persons afflicted with dementia or Alzheimer's disease (herein referred to as 'patients') from harm or danger, should such patients attempt to leave the home or care facility in which they are living or staying. An electronic sensor (FCC ID: JM7-ITYS-700231) is placed on the patient's wrist or ankle. If the patient approaches a protected door or hallway, an unmodulated 132 kHz continuous wave Tx signal from the submitted product will cause the sensor to activate and send a 418 MHz response signal back to the submitted product. If the unit is protecting a hallway, or a door that happens to be open, an audible alarm will be generated to notify caregivers of the attempted egress. Persons not wearing sensors may come and go freely without initiating an alarm.

By removing a jumper on the PC board (JP2), the 132 kHz Tx output will be AM (pulse) modulated at a frequency of 130 Hz; 20% duty cycle on. This option will configure the product to be compatible with an RFID sensor that is still under development.

BLOCK DIAGRAM:

