



# Care@Home™ Voice Panic Detector



ES700VPD-MH  
Smart Emergency Response Device

## Operational Description

The VPD is an indoor voice activated panic device, based on the CC1310 radio chip that includes a processor and used as the master processor of the board.

The NXP processor is used for the speech recognition, when the phrase is detected it signals the CC1310 to send an indication to the system and turn ON the LED's.

The power supply can be 2x 1.5VDC C size batteries or an external 5VDC wall adaptor connected to a switching 3.3VDC power supply.

The MUX block selects the higher voltage between battery voltage and the 3.3VDC generating operating voltage (V<sub>SY</sub>S).

The Antenna parameters are:

Type: Integral

Manufacture: Epsilon

P/N: FU-ES-700VPD

Gain: -5dBi

The VAD circuit is used to wake up the unit when speech sounds are recognized.

The CC1350 RF transceiver is interface between internal circuit data, and control panel.

Modulation and frequency: OOK, 433.92MHz



ESUGSS019 Rev. 1.0 For more information, go to: <http://www.essence-grp.com/smart-security>