



Date: June 18, 2008
Ref: Product description Panic Rev0

Subject: Panic Keyfob – Product Description

The EUT is a wireless 433.92MHz panic transmitter
The unit includes a small PCB powered by a 3V CR123 lithium battery, inside a plastic enclosure.
The unit has an integral PCB printed antenna, and a transmitter IC manufactured by Melexis.

The unit transmits at approximately 666bps
Modulation is On-Off keying using Manchester code.

The unit has two kinds of transmissions:

1. Panic alarm transmission - transmitted when the button (or 2-buttons) are pressed.
2. Low battery - generated when the battery voltage drops below 2.6V.

There are two variants for this product:

1. RWT51P40000A - Which has only one button, and is worn as a wrist watch
2. RWT52P43300A - Which has 2 button which must be pressed simultaneously and is designed as a keyfob.

Both are identical from all RF aspects, the electrical design is the same except that the in the wrist watch version one button is always shorted and thus only one button is pressed to create panic alarm.

Other RF information can be find in the enclosed ITL report.