



Date: October 6, 2008
Ref: Keypad Product description Rev0

Subject: 2-Way LCD Proximity Keypad – Product Description

The EUT is a wireless 433.92MHz 2-Way wireless keypad which is used to remotely program and operate the Agility control panel.

The unit includes a main PCB and RF module and it's powered by three 3V CR123A lithium battery, inside a plastic enclosure.

The unit uses an integral Helical antenna.

Modulation is On-Off keying using Manchester code.

The keypad is using 2-way communication, so every message is sent to the control panel once, and if no acknowledge signal is received, then the message is repeated to a total of up to 7 repetitions (8 bursts total)

The Keypad also include a proximity function, which functions by creating a magnetic field in the frequency of 13.56MHz, which can be then altered by using a passive key. This allows another option to arm/disarm the system. This antenna used for this is a PCB printed antenna.

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