RCSE-01 Keypad User's Guide

v1.1

07/02/2013

Revision	Date	Comments
1.0	06/6/2013	Initial
1.1	7/2/2013	Updated FCC and IC Statement

Overview:

The ResponseCard Single Event Keypad (RCSE-01) is designed to be used with the Turning Technologies RF Receivers connected to a PC. The keypad transmits key presses via radio frequency to the RF receiver for accumulation by the PC. The keypad consists of 6 data keys (1-5, and Channel) and a single status LED.

In Idle state, the LED is OFF. The keypad returns to idle state after completion of a key press.

Standard Operation Mode:
Initially the status LED is OFF.
Pressing a single key will cause the key to be transmitted to the receiver. After pressing a key the status LED shows status as follows:

Quick YELLOW Blink then OFF	- Receiver is not accepting data at this time
BLINKING YELLOW	- key is being transmitted (up to 5 seconds)
SOLID GREEN	- key transmit successful - ready for input
SOLID RED	- key transmit failed – ready for input
BLINKING GREEN	- Receiver indicated correct answer
BLINKING RED	- Receiver indicated incorrect answer

Blinking Green and Blinking Red will only occur if the Receiver is configured to indicate a correct or incorrect answer (CORRECT POLLING mode).

Set RF Channel
Press Channel Button

Set RF Channel mode is indicated by the status LED flashing a RED then GREEN pattern. Set RF Channel mode exits automatically after two valid keys are pressed, if no valid key is pressed for 5 seconds, or at any time an invalid key is pressed. Valid keys are '1' through '5'. Valid RF Channels are '11' through '55'.

While in Set RF Channel mode pressing a valid key will cause the status LED to briefly flash **YELLOW.** When Set RF Channel Mode exits, the status LED indicates the result as follows:

SOLID GREEN	- Set RF Channel successful
SOLID RED	- Set RF Channel failed

Display Software Version
Press 'Channel' and then quickly press and hold '2'. Release both keys.

The status LED will turn **OFF** briefly, followed by:
Major Version#   - Count the number of **RED** blinks – could be zero.
Minor Version#   - Count the number of **YELLOW** blinks – could be zero

REGULATORY INFORMATION

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Canada Statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

Safety Statement

WARNING, batteries may explode if mistreated. Do not recharge, disassemble or dispose in a fire.

Replace batteries With Maxell, CR2032, 3-Volt Coin Cell ONLY. Use of another battery may present risk of fire or explosion.

The disposal of used batteries is governed by law in many countries world-wide. Therefore, please check your local regulations prior to battery disposal.