

Reply® Response Keypad

Model CRS1200

Users Manual

Purpose of the Keypad

The Reply® Model CRS1200 Keypad is a wireless portable device that makes it possible for a number of people to participate interactively in a class situation or group meeting. The product accomplishes this by sending keypad switch closure information from the keypad to a base unit which employs a wireless transceiver to receive the keypad signal. These signals are processed by the base unit and delivered to a host computer which allows the responses to be stored, analyzed and if desired displayed on a video projector for feedback to the group showing the results of their participation.

Description of the Keypad

The Reply Model CRS1200 Keypad is housed in a plastic enclosure similar in appearance to a calculator. It is powered by an internal 9 volt alkaline battery with no external wires or electrical connections. The keypad uses a membrane switch panel for numeric entry and a 7 segment LED display for entry display to the user. The keypad uses a synthesized transceiver compliant with FCC Part 15 Subpart B and C.

Using the Keypad

To use a keypad a corresponding channel base unit must be active and under control of an application running on a personal computer. This is usually the responsibility of the instructor or meeting facilitator.

The instructor or meeting facilitator uses a program running on a personal computer to determine when responses from the keypads are to be received. Typically this program will deliver a number of informational screens on a video projection system and then will present a question screen. The participants with keypads will then be instructed to respond.

A user holding a keypad responds by pressing one of the keys and the corresponding number will indicate on the 7 segment LED display. When interrogated by the base via the 216 MHz link, the keypad sends the key information to the base in a 10 millisecond duration signal from the 345 MHz transmitter. When the 216 MHz signal responds with an appropriate state of the acknowledge bit for the keypad, the keypad turns back off and awaits the next key press. This sequence takes on the average between one and two seconds. If the keypad LED winks and comes back on, the signal was not received by the base and the keypad will retry the next time it is interrogated (typically about 2.5 seconds). The keypad spends most of its time turned off conserving the battery and allowing for thousands of transmissions.

In Case of Difficulty

The Reply® Model CRS1200 Keypads are built using the latest technology and high reliability components. There are very few things the keypad user can do wrong to cause a failure, but in the unlikely event responses are not being received by the base and passed on to the personal computer, here is a procedure to help identify the source of the problem:

