

PRODUCT INFORMATION CRS5200-E

Keypad



BRÄHLER ICS is committed to continually improving its products and so reserves the right to make technical modifications without notice.

The keypad CRS5200-E is a compact and lightweight wireless handheld for the DIGIVOTE 2.4 interactive system, that provides data interactivity in a variety of presentation and learning environments. It operates on license free 2.4 GHz radio frequency, approved for use in Europe, the US, Canada and many other regions worldwide. Up to 250 CRS5200 keypads can communicate with a CRS940 base station. Multi channel communication allows reliable operation even in the presence of other RF devices like WLAN, phones, etc.

RF Technology

- Two-way RF keypad uses eligible license-free/ license-exempt frequencies to communicate key presses to the Base Station and receive from the Base Station control information and acknowledgments of successful entries.
- Employs 2.4 GHz frequency hopping spread spectrum (FHSS) transceivers.
- FHSS offers excellent range, immunity to interference, and security.

Range

- The coverage is designed for up to 75 meter, depending on environment conditions.
- A room's geometry and RF propagation characteristics will influence actual range experienced. Elevating the base station often results in a performance advantage

Speed

- Adjusted by Base Station
- Default setting is 100 keypads per second

Capacity

- 250 keypads CRS5200

Communications Security

- A proprietary response verification protocol integral to the radio design provides a high degree of signal security.
- Frequency hopping and proprietary data communications are additional deterrents to clandestine interception.

Enclosure

- Rugged ABS plastic construction, compact case
- Keyboard: Elastomeric rubber buttons
- Dimensions: L 152 x W 64 x H 25 mm
- Weight: 142g
- Color: Black

User Identification

- Each keypad has a RF device identity ("address") between 1 and 250.
- Addresses are user programmable.
- The address may be transmitted with each keypad's response.

User Input

- 15 keys. Ten numeric keys for entering multiple choice responses. Three "soft" keys available for special use. "Asterisk" and "Clear" keys provide extra functions.

Display

- Seven segment LED is easy to read in all lighting conditions.
- Display shows numbers (1-9,0)
- Display shows user entry plus confirms when the Base Station accepts the the keypad's input.

Power and Power Management

- Powered by two standard AA batteries (not included).
- Keypad powers down after each response to conserve battery life.
- Battery life is ~ 100.000 responses or battery shelf life, whichever comes first.
- Low battery indicated on display. Also, keypad can transmit a low battery warning to Base Station.

WPF04-0796.5-E-070323