

PRODUCT INFORMATION CRS940 Transponder



Description

CRS940 is a compact and lightweight base station for the DIGIVOTE 2.4 interactive system. 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 the CRS940 base station. Multi channel communication allows reliable operation even in the presence of other RF devices like WLAN, phones, etc. Communication to PC software is implemented as an easy to use USB connection, which requires no additional power supply for the base station.

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.

- Creates a secure communications network between keypads and their associated Base Station.
- Integrated error checking discriminates system signals from all other RF traffic to ensure data accuracy and enhance security.

Range

- The range of the transponder is approx. 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

- Up to 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

- Each transponder is housed in a lightweight, compact, black plastic housing
- Build in antenna, protected against damage
- Dimensions: WxHxD (165x57x127)mm
- Weight: 225 g (without cable)

Connectors

- Mini USB connector for PC interface, USB cable included.

Power Source

- Through USB cable from user PC, current draw 50 mA.

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

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