900 MHZ WIRELESS TRACKER BOARD EXPANSION SYSTEM

TELEPHONE ENTRY / ACCESS CONTROL SYSTEMS

Residential • Apartment/College Residence Halls • Gated Communities
Mixed Use Buildings • Commercial/Industrial • Parking • Self Storage • Maximum Security
ACCESS CONTROL SOLUTIONS
Add access points just about anywhere.

Our new 900 MHz Wireless Expansion Kits let you add access points in those hard-to-wire places, eliminating costly labor, trenching and conduit runs. Simply add a base station to a DKS telephone entry system, and a remote station (up to 48 of them) to a DKS access device and the wireless connection is made seamlessly. We even have a repeater for those hard to reach remote sites, doubling the wireless range. Best of all, our wireless kits are designed with LoRa® technology offering longer ranges, low power consumption, and secure data transmission.

It's simple with DKS plug and play expansion boards!

**FEATURES**

1. **Reverse Compatibility**

Wireless kits provide a 900MHz LoRa® link between the access controller and card readers, keypads or almost any 26, 30 or 31-bit wiegand device.

2. **Easy Installation**

Connect card readers, keypads and other devices to the access controller without the need for trenching, conduits or wire runs. This is a great time, labor and money saver!

3. **Simple Programming**

Install the wireless kits in the access controller and remote access devices, power up the system and set the channel IDs. The system components will automatically link themselves!
4. Improved Secure
RF signals are encrypted to provide a secure data link between the access points and the access controller.

5. Up to 2000 feet range
Use of a dual band repeater can double the signal range up to a 2000 foot range
**KEY FEATURES**

- Simplifies expanding even older systems! Wireless Baseboard Kit can be installed on any DKS 1833, 1835, 1837 or 1838 access controller with an 1830 series circuit board – regardless of how old the system may be.
- Add access control points without the need to run additional wiring. DKS tracker expansion boards and Wireless Expansion Board Kits are compatible with almost any 26, 30 or 31-bit* wiegand device.
- Repeaters can extend the RF range.
- Encrypted RF transmission designed with LoRa® technology.
- 900 MHz spectrum.
- 16 Channels, 16 Network IDs (256 unique settings) for secure communication.
- Adjustable RF signal strength.
- Troubleshooting LEDs.

* 30 and 31-bit wiegand devices are limited to 255 facility codes (or less), or choose “Ignore Facility Codes” when setting up the access controller in the DKS Remote Account Manager software.

**2333 WIRELESS BASEBOARD**

The Model 2333 900 MHz Wireless Baseboard allows models 1833, 1835, 1837 and 1838 to communicate with up to 48 access points wirelessly.

**1470 REMOTE MODULE**

A 1470 900 MHz Wireless RF Remote Module installed on EACH 2358 Tracker Expansion Board is REQUIRED at each access point (sold separately). This module provides wireless communication for a 2358-010 tracker expansion board to a 900 MHz wireless baseboard in a access control system.

*ONLY with DoorKing: 1833, 1835, 1837 and 1838 multi-door access controller access control systems. DO NOT use with 1838 Access Plus model.

**2332 DUAL BAND REPEATER**

- The dual band repeater gets installed between wireless devices that are too far or obstructed from each other. It will receive a signal sent to it and repeat that signal to the next wireless device.
- The signal range of a DBR is Up to 1000 ft direct-line-of-sight with no signal interference.

*ONLY 1 DBR can be used in the same communication line of a tracker expansion board.

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**ACCESSORIES:**

- **Keypads**
  - DKS Wiegand Keypads provide access control for virtually any application where digital code entry is desired.

- **Card Readers**
  - DoorKing carries a full line of DK Prox, AWID and HID Proximity card readers and cards.

- **Receivers and Transmitters**
  - The DKS 8040 RF Receiver can be programmed to work with MicroPlus or MicroClik transmitters.

- **Antenna Kits**
  - The 1514-019 antenna kit provides a mounting bracket, 6-inch antenna and 13-feet of coax cable to remote mount the antenna.
NOTE: Due to the nature of wireless communications, transmission and reception of data can never be guaranteed. Data may be delayed, corrupted (i.e., have errors) or be totally lost. Although significant delays or losses of data are rare when wireless devices are used in a normal manner with a well-constructed network, DoorKing wireless products should not be used in situations where failure to transmit or receive data could result in damage of any kind to the user or any other party, including but not limited to personal injury, death, or loss of property. DoorKing, Inc. accepts no responsibility for damages of any kind resulting from delays or errors in data transmitted or received using DoorKing wireless products, or for failure of DoorKing wireless products to transmit or receive such data. Do not operate DoorKing wireless products in areas where cellular modems are not advised without proper device certifications. These areas include environments where cellular radio can interfere such as explosive atmospheres, medical equipment, or any other equipment which may be susceptible to any form of radio interference. DoorKing wireless products can transmit signals that could interfere with this equipment.
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