This wireless kit provides wireless communication for a 2358-010 tracker expansion board to a wireless baseboard in a access control system. Use wireless tracker expansion boards ONLY with DoorKing: 1833, 1835, 1837 and 1838 multi-door access controller access control systems. DO NOT use with 1838 Access Plus model.

Installation
Plug the 1489-010 board into the wireless connector and secure boards with 4 screws to the tracker expansion board. See the HARDwired tracker expansion board manual to connect desired options to terminals #1- #34 to manage a remote access point. DO NOT CONNECT ANY WIRES TO TERMINALS #10, #17, #27, #28 or #29 (Used for HARDwire communication line ONLY). Power transformer must connect to tracker expansion board #33 and #34 (REQUIRED). Antenna is REQUIRED, see below for antenna options.

Typical Remote Access Point Installations

IMPORTANT: Install the enclosure so the antenna is in a location that is NOT surrounded by metal and is in free air as high as possible above the ground.

Other Antenna Options

- Externally Mounted Longer Range Adjustable Antenna Kit
  Sold separately, P/N 1514-075

- Wireless Repeater
  Sold separately, P/N 2364-080

  May be necessary to increase the wireless communication range between the access control system and the tracker expansion board(s). It is located between the wireless antennas. It will receive a signal sent to it by one wireless system and repeat that signal to the next wireless system. The range is approximately 500 ft direct-line-of-sight with no signal interference or physical obstructions.
**Board Reference**


**RF SECURE LED**

**UNPAIRED MODE:**
- Steady Red – Board is communicating with unpaired wireless baseboard.
- Blinking Red – Board is NOT communicating with unpaired wireless baseboard.

**PAIRED MODE:**
- Steady Green - Board is communicating with paired wireless baseboard.
- Blinking Green - Board is NOT communicating with paired wireless baseboard.

**Antenna is REQUIRED.**

**Board Relay Jumpers**

**RF Range Adjustment**

Set to max (full clockwise) for most applications. This may need to be dialed back to limit the range when using a repeater.

**Program Button:**
- Press after adjustment has been made to the RF RANGE, RF ID or RF CH before changes will take effect.
- Press and hold for 3 sec. to PAIR to wireless baseboard, may take up to 20 seconds to PAIR. (RF SECURE LED Paired - steady GREEN).
- Press and hold again for 3 sec. to UNPAIR from wireless baseboard if necessary (RF SECURE LED Unpaired - steady RED).

**LED Display**

- Press ▼ buttons or ENT button to activate LED display.

**Programming Buttons**

**RF ID**

**RF CH**

**MUST** be set to SAME ID number and channel number as the wireless baseboard.

**RF SYNC LED:**
- Blinking Blue - Connected with wireless baseboard.
- Blinking Rapidly - Pairing with wireless baseboard.
- OFF - No signal with wireless baseboard.

**RF LOST LED:**
- ON - Lost communication with wireless baseboard.
- OFF - Communication is established with wireless baseboard.
- Blinking Rapidly - Pairing with wireless baseboard.

**LED display.**

**Programming**

See the “HARDwired Installation/Owner’s manual” for complete programming information for the tracker expansion board.

**Important Notice**

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.

**Safety and Hazards**

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. Do not operate DoorKing wireless products in any aircraft, whether the aircraft is on the ground or in flight. In aircraft, DoorKing wireless products MUST BE POWERED OFF. When operating, DoorKing wireless products can transmit signals that could interfere with various onboard systems.

**Note:** Some airlines may permit the use of cellular phones while the aircraft is on the ground and the door is open. DoorKing wireless products may be used at this time.

The driver or operator of any vehicle should not operate DoorKing wireless products while in control of a moving vehicle. Doing so will detract from the driver or operator’s control and operation of that vehicle. In some states and provinces, operating such communications devices while in control of a vehicle is an offense.