Installation Procedure

2. Connect existing aux power transformer from discarded green aux terminal into #1 & #2 baseboard terminal.
3. Wire baseboard RELAY 2 to main terminal (#3 & #4) (assuming 1830 series has already been completely setup).
4. Connect antenna to basement and install antenna where desired.
5. Plug RF remote module onto tracker expansion board and secure with 4 screws (assuming tracker board has already been completely setup and power has been turned OFF).
6. Connect to main terminal "GND" and secure board with 4 screws to the tracker expansion board.
7. Power both systems up (1830 series baseboard and tracker expansion board’s LEDs will light up).

After the 9 installation steps have been performed:

- Press PROGRAM button on baseboard, then activate the device wired to the tracker expansion board (card reader).
- RF SECURE LED on tracker expansion board will turn from RED to GREEN (this may take up to 20 sec.) when communication has been SUCCESSFULLY established.

Approximate range Up to 300 ft direct-line-of-sight. Antenna Note: This 900 MHz wireless system works best when the antennas are in direct-line-of-sight with each other, in free air as high as possible above the ground. Many variables can interfere with a wireless signal, some are apparent (trees, buildings etc.) and others are unknown (background signal interference and adverse weather - rain). If a weak signal occurs, a stronger antenna or a dual repeater may be necessary to achieve a strong signal. A nearby business that is also using DoorKing's 900 MHz wireless system may interfere with your signal strength. This is rare, but if this occurs, please call DoorKing to help solve this problem.

The wireless devices should work with the factory programmed settings for this BASIC wireless configuration. More programming may be desired and/or necessary when using more tracker expansion boards. See the back side for limited programming or 900 MHz Wireless Baseboard manual 2333-065 for ALL wireless programming.

Optional 900 MHz Wireless Test Range Kit: DoorKing offers a 900 MHz wireless test range kit (sold separately) that is used to easily test the wireless signal between the telephone entry system and any access control device(s) in desired positions BEFORE they are permanently installed. This test kit is self-contained and is easily positioned anywhere to quickly confirm wireless signal strength. PN 1514-140.

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Follow these basic steps to perform desired wireless programming:

1. Display RF signal strength of tracker board(s) that have been programmed in program step 2:
   - 80 or lower - GOOD, (74-76 or lower preferred)
   - 81-85 - Unreliable signal strength.
   - 86-99 - NO signal

2. Select tracker board(s) RF signal strength to be displayed in program step 1. Settable value is 0-18.
   - 0 - signal from any tracker board address (Default value)
   - 1- tracker board addresses 3-10
   - 2 - tracker board addresses 11-18
   - 3 - tracker board address 3 ONLY
   - 4 - tracker board address 4 ONLY
   - etc...: 16 - tracker board address 18 ONLY

3. Set the number of minutes to display RF signal strength. Default value is 5 min. Settable value is 1-30 min.
   - Note: Avoid keeping the baseboard in "display mode" for a long period of time. While in this mode, it can miss the access requests of a busy network. Build in timer exits "display mode" when timer expires. Press ENTER button to exit display mode anytime before timer expires.

4. Restore or reset command for the below:
   - Restore programming value, sets RF remote module net ID and CH, then reboots RF module only
   - Does nothing
   - Tracker board address 18 ONLY
   - Restore or reset command for the below:
     - tracker board address 18 ONLY

5. Select desired data while in program step using SET buttons.
   - (LED display number will blink after ENT button is pressed)

6. Press ENT button to enter selected data. (Function has now been programmed into board).

7. Press ENT button to enter selected data. (Function has now been programmed into board).

For more information, refer to the 900 MHz Wireless Baseboard manual 2333-065 and Tracker Expansion Board manual 2358-065.