**QUICKSTART for ONE “900 MHz” Wireless Tracker Expansion Board Connection to 1830’s Series “RELAY 2”**

For MORE installation instructions, refer to the 900 MHz wireless baseboard manual 2333-065 and the HARDwired tracker expansion board manual 2356-065.

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### Installation Procedure

- **Approximate range between the two units is Up to 1000 ft direct-line-of-sight or less**.

1. **Unplug ALL power from 1830 series.** Discard removable green aux terminal. Plug baseboard in 14-Pin aux terminal on board.
2. **Connect existing aux power transformer from discarded green aux terminal into #1 & #2 baseboard terminal.**
3. **Wire baseboard RELAY 2 to main terminal P3 & P4 (assuming 1830 series has already been completely setup).**
4. **Connect antenna to board 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 antenna to RF remote module and install antenna where desired.**
7. **Set NET ID’s to “1A” on board and RF remote module, Set CH’s to “4”.**
8. **Set tracker expansion board address to “3”.**
9. **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.).**

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### No “Green RF SECURE” LED?

Try changing NET ID’s and CH’s on both.

Same NET ID numbers and Same CH number’s MUST be set for both. 

Press PROGRAM button on RF Remote Module after changing NET ID & CH.

Press RESET button on each after changing NET ID’s and CH’s.

Try a few different NET ID and CH settings. **SHOULD NOT** Green RF SECURE LED?

Relocation of the antenna or OPTIONAL stronger antenna?

Relocation of tracker expansion board?

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### Important Note:

1830’s series Relay 2 is used to control wireless tracker expansion board. Relay 1 or Relay 0 can be used as the Primary Relay that will open a slidable door or gate when the resident pushes “9” on their telephone.

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### Variant Information

**Antenna Note:**

- The 900 MHz wireless baseboard REPLACES the 14-pin aux terminal on the access control system’s board. The existing 16.5 VAC 20 VA aux terminal input power transformer is REQUIRED and is reconnected to the 10-pin terminal #1-#2. Antenna is REQUIRED.

**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 band 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.

**Antenna Note:**

- Antenna is REQUIRED.

**Antenna Note:**

- The 900 MHz wireless baseboard replaces 900 MHz wireless baseboard programming or using more tracker expansion boards. See the back side for more information.

**Antenna Note:**

- 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.

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