



## Model Minder – Wireless: Installation Instructions

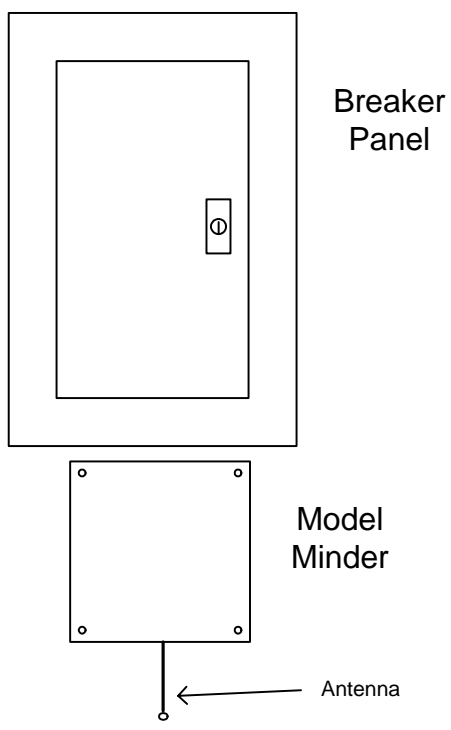
Rev. 3  
01-04-2005

### 1. Preliminary

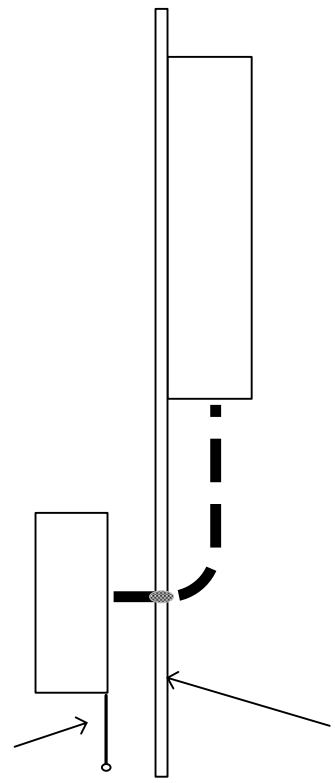
- a. Needed to install Model Minder:
  - i. Electric or Cordless Drill
  - ii. #1 Flat-Blade Screwdriver
  - iii. #2 Phillips-Blade Screwdriver
  - iv. 1-1/4" to 1-1/2" Paddle Bit or 1-1/4" to 1-1/2" hole saw
  - v. 6 or 10 - Wire Nuts (included)
  - vi. 4 - 1" Drywall Screws (included)
- b. Before installing Model Minder, make sure the main breaker is ON and turn on all the lights in the apartment or house.
- c. Determine which circuits are to be controlled by turning on and off each breaker. Mark these breakers for Model Minder control wiring to be completed in *Step 3*.

### 2. Mounting

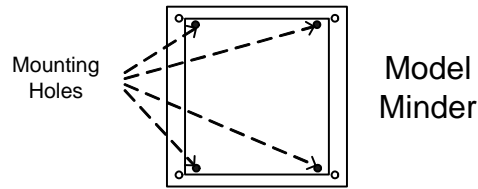
- a. Select a clear area on the wall directly below the breaker panel to mount the Model Minder enclosure. (**Figure 2.1**)
- b. Cut hole in sheetrock large enough to feed control wiring through to breaker panel. Usually 1-1/4" is sufficient.
- c. TURN OFF MAIN BREAKER IN PANEL BEFORE PROCEEDING. Knock out plug in breaker box to bring the control wiring in from the Model Minder. [*CAUTION: Even though the main breaker is off, the incoming leads are still powered in the breaker box*]
- d. Tape all ends of control wiring, and input power wire together from the Model Minder and fish wires through into breaker panel. (**Figure 2.2**)
- e. Secure Model Minder to the wall using sheetrock screws making sure antenna wire is exposed. (**Figure 2.3**)



**Figure 2.1:** Overview



**Figure 2.2:** General Wiring



**Figure 2.3: Mounting**

### 3. Wiring

- a. MAKE SURE MAIN BREAKER IS STILL OFF.
- b. Disconnect load wire from marked breakers (from previous *Step 1b*) one at a time and insert one side of color-coded Model Minder control wire in the breaker where the load wire was. (**Figure 3.2**)
- c. Using a wire nut, connect the original load wire that was in the breaker to the other side of the color-coded Model Minder control wire. (**Figure 3.2**)
- d. Repeat Steps 3b and 3c until all designated circuit breakers are connected to the color-coded Model Minder control wires. [*NOTE: ANY color-coded pair may be used for ANY load.*]
- e. Connect the black input power wire from the Model Minder to the breaker side of any of the controlled circuits [*Note: Must be 115VAC only*]. (**Figure 3.3**)
- f. Connect the white input power wire from the Model Minder to the panel neutral. (**Figure 3.3**)
- g. Check all wiring. (**Figure 3.4**)
- h. Turn on main breaker. Model Minder should turn on controlled lighting circuits for 1 minute (factory default is 1 minute until timer is adjusted in field). After 1 minute lights should turn off.

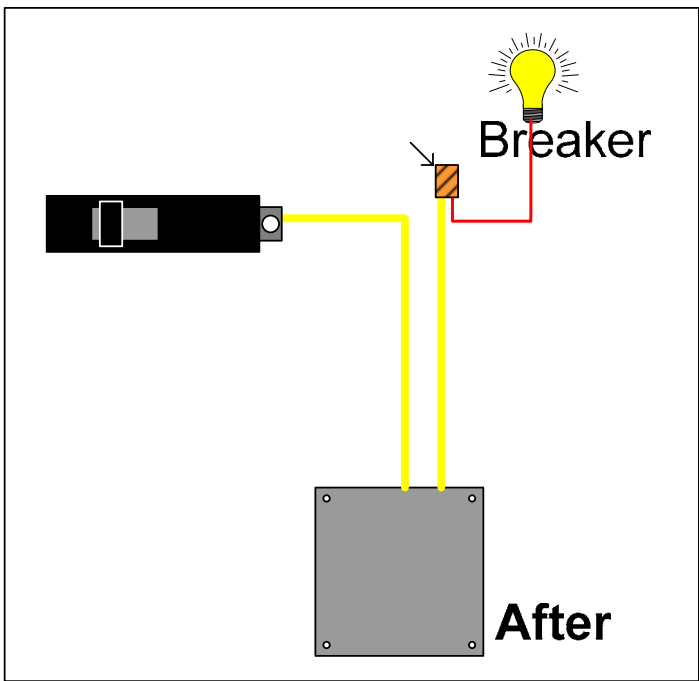
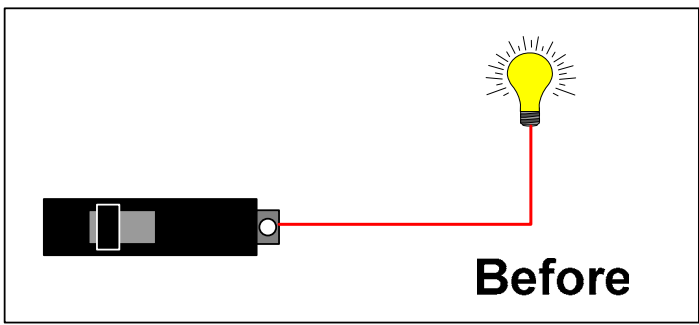
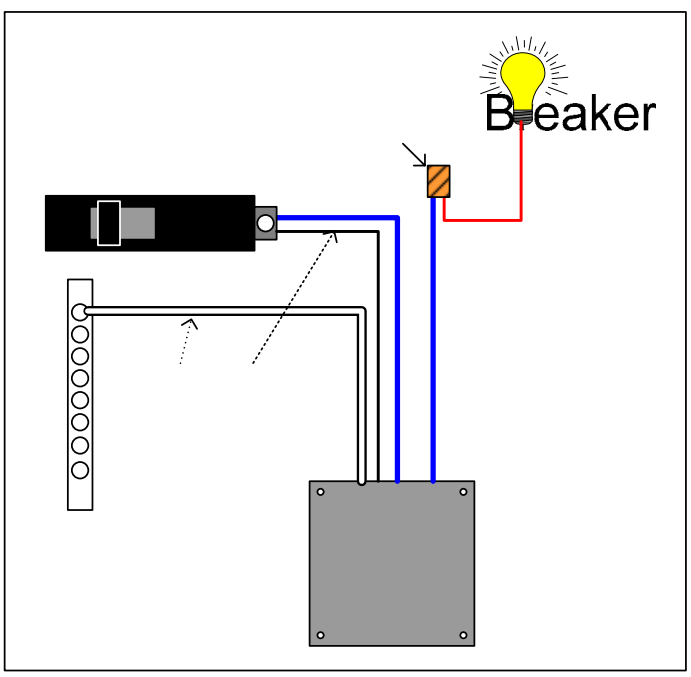


Figure 3.1: Control Wiring



Wire Nut

**NOTE:** Any of the 120V Breakers can be used to power the ModelMinder.

Figure 3.2: Input Power Wiring

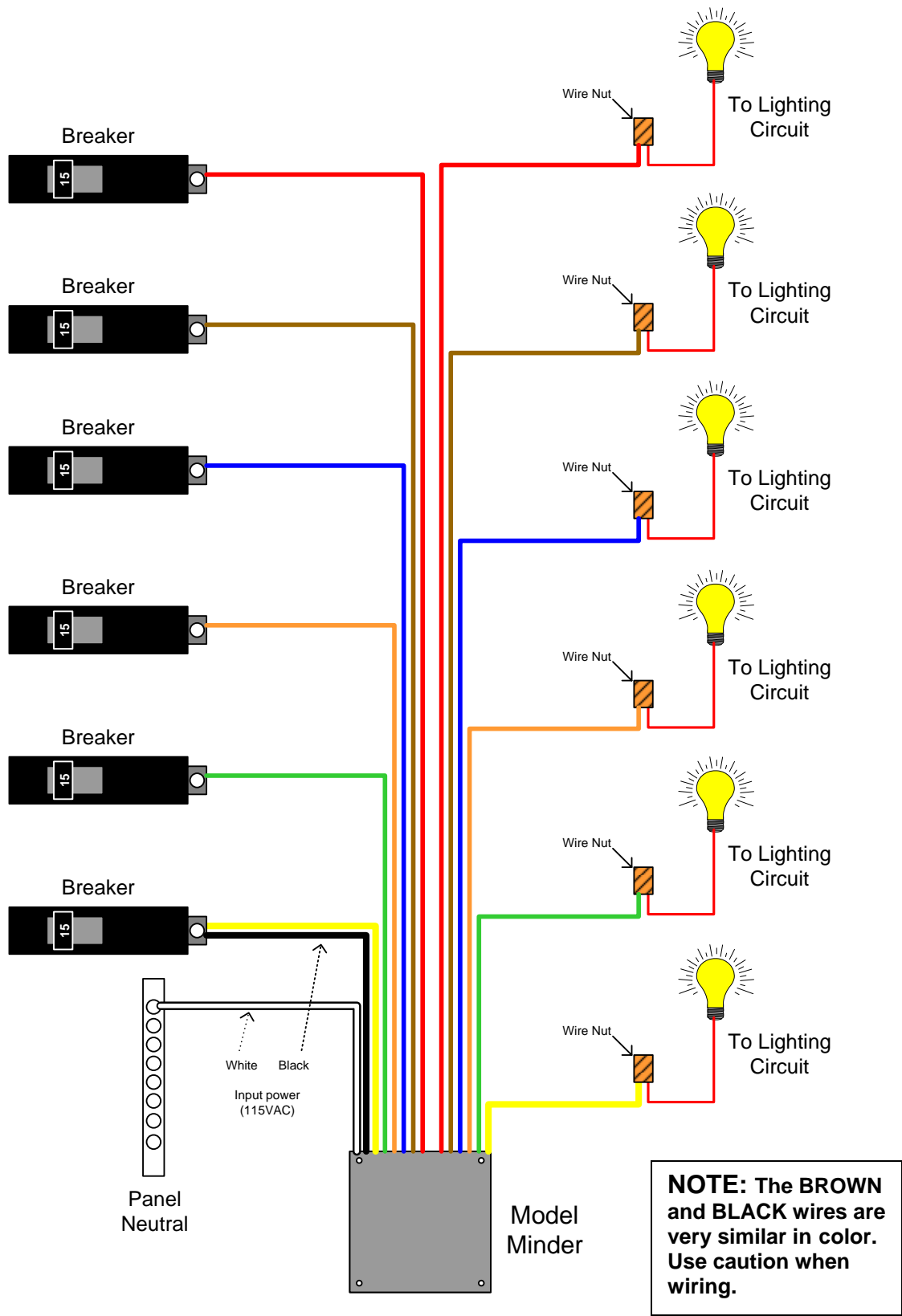


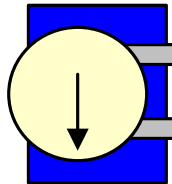
Figure 3.3: Complete Wiring

#### 4. Timer and Override

- With front cover of Model Minder removed, adjust timer up to 60 minutes based on the desired lighting control time for the Model Minder. [*Note: Recommended time is 15 Minutes*] (**Figure 4.1,2**)
- If the Model Minder installed is outfitted with an Override Key, the "OFF" position will leave the Model Minder in Operational Mode. (i.e. the lighting circuits will come ON when the entry door is opened for the pre-determined set time then go OFF).
- If the Model Minder Override Key is in the "ON" position the Model Minder will be in Override Mode and the lighting circuits controlled by the Model Minder will be ON continuously. While the Model Minder is in the Override Mode, ensure that all lights to be controlled are on. [*Make sure to return Model Minder to Operational Mode after installation is complete*]



**Figure 4.1:** Timer Settings



**Figure 4.2:** Recommended Time

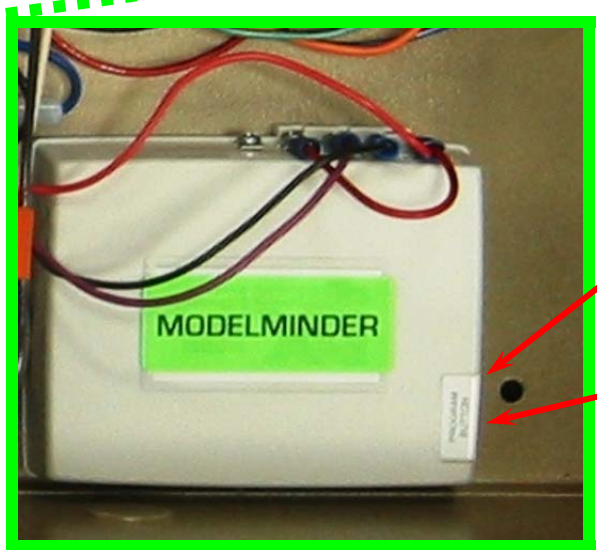
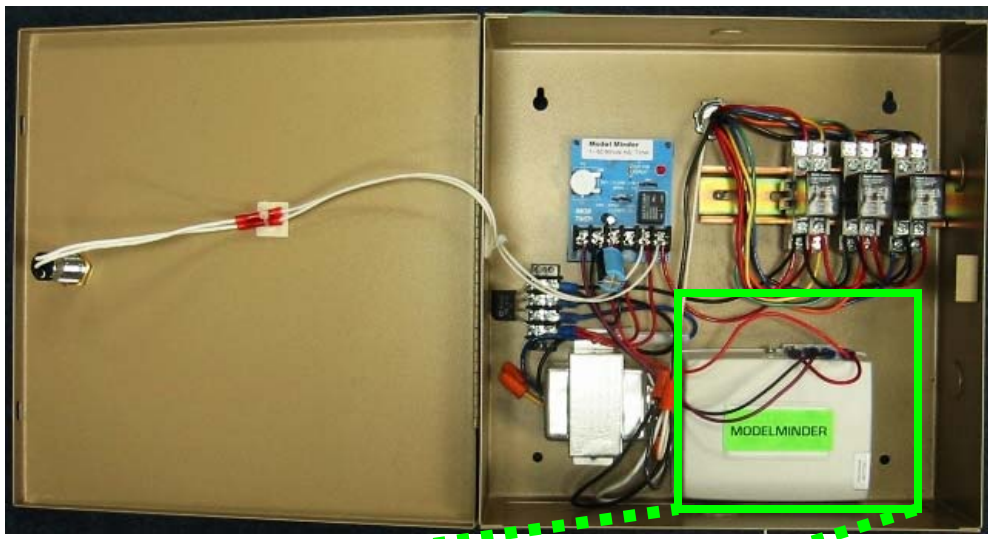
## 5. Transmitter / Receiver

### a. Programming

- i. Once the Model Minder is installed, the Wireless Receiver will have to be programmed to work with the Wireless Transmitter used at the door. To complete this task, follow the simple steps below:
- ii. *[Note: Please read all steps before beginning the programming process.]*
  1. Make sure the system is powered on. (Should be a RED LED on the Timer Module).
  2. Press the “Program Button” on the Wireless Receiver inside the Model Minder Enclosure one time. (**Figure 5.1**).
  3. Once the “Program Button” has been pressed the “Program LED” should be solid RED. It will stay solid RED for about 3 seconds.
  4. While the “Program LED” is solid RED, press and hold the “Test Button” on the Wireless Transmitter that is to be mounted above the entry door until the RED LED on the Wireless Transmitter is solid red and the “Program LED” on the Wireless Receiver starts flashing. (**Figure 5.2**) *[Note: There is not an actual button on the Wireless Transmitter, simply squeeze the end with the LED. Also, it is difficult to know when the “Test Button” has been pressed other than watching for the LED on the Wireless RECEIVER to start flashing]*
  5. When the “Program LED” on the Wireless Receiver stops flashing, the programming is complete and the Model Minder should be operational. Pressing the “Test Button” on the Wireless Transmitter again will test the Model Minder system.
  6. Repeat Steps 2 – 4 for each wireless sensor on the system (Up to 32).

### b. Mounting & Testing

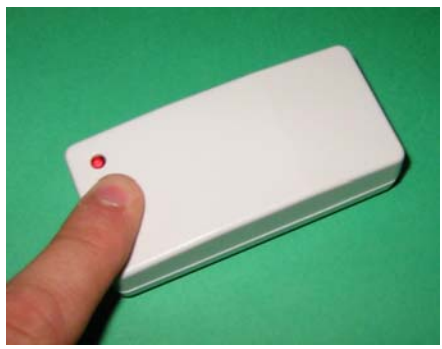
- i. Using double-sided tape (included), install transmitter module (Linear DXT-31) on entry door and magnetic sensor on door trim. *[Note: For more detailed information about installation, follow instructions included with door transmitter]* (**Figure 5.3**)
- ii. Controlled Lighting circuits should turn on for as long as the timer inside the model minder has been adjusted to whenever the entry door is opened.



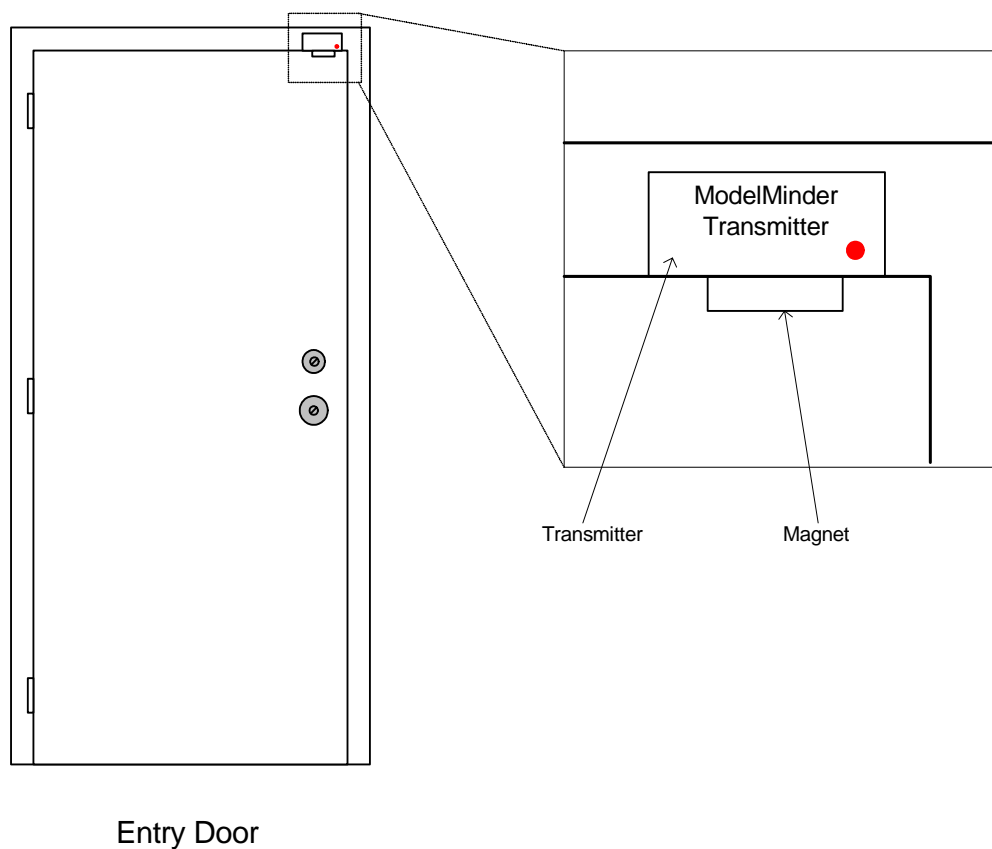
**Program Button**  
(on the side)

**Program LED**

**Figure 5.1: Wireless Programming Button**



**Figure 5.2: Wireless Sensor Programming**



**Figure 5.3:** Wireless Door Sensor Transmitter

For questions please contact Technical Support:

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