



ModelMinder™ Installation Instructions

1. Preliminary

- a. Needed to install ModelMinder:
 - 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)
 - vii. Electrical Tape
- b. Before installing ModelMinder, make sure the main breaker is ON and TURN ON ALL 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 ModelMinder 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 ModelMinder 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.

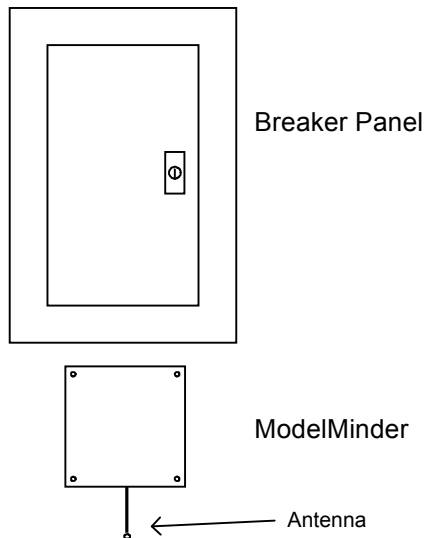


Figure 2.1: Overview

- c. **TURN OFF MAIN BREAKER IN PANEL BEFORE PROCEEDING.** Knock out plug in breaker box to bring the control wiring in from the ModelMinder. [*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 ModelMinder and fish wires through into breaker panel. (**Figure 2.2**)

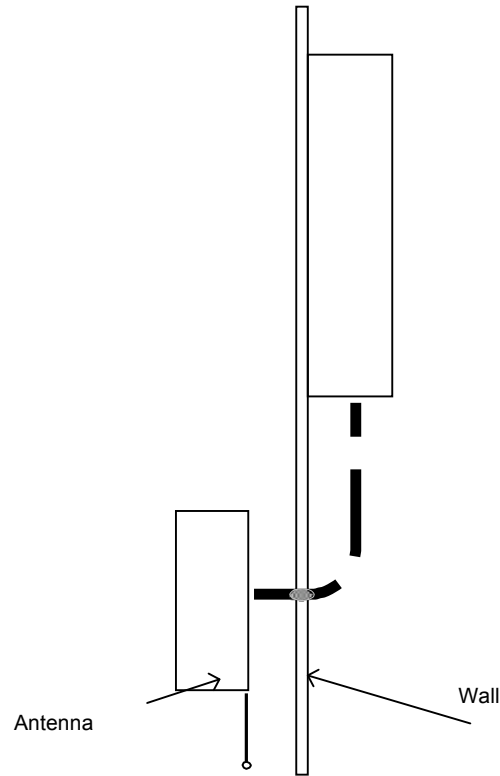


Figure 2.2: General Wiring

- e. Secure ModelMinder to the wall using sheetrock screws making sure antenna wire is exposed. (**Figure 2.3**)

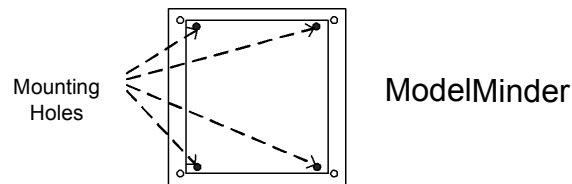


Figure 2.3: Mounting

3. Wiring

- a. MAKE SURE MAIN BREAKER IS STILL OFF.
- b. Disconnect load (BLACK) wire from each marked breakers (from previous *Step 1b*) one at a time and insert one side of color-coded ModelMinder control wire in the breaker where the load wire was removed. (**Figure 3.1**)

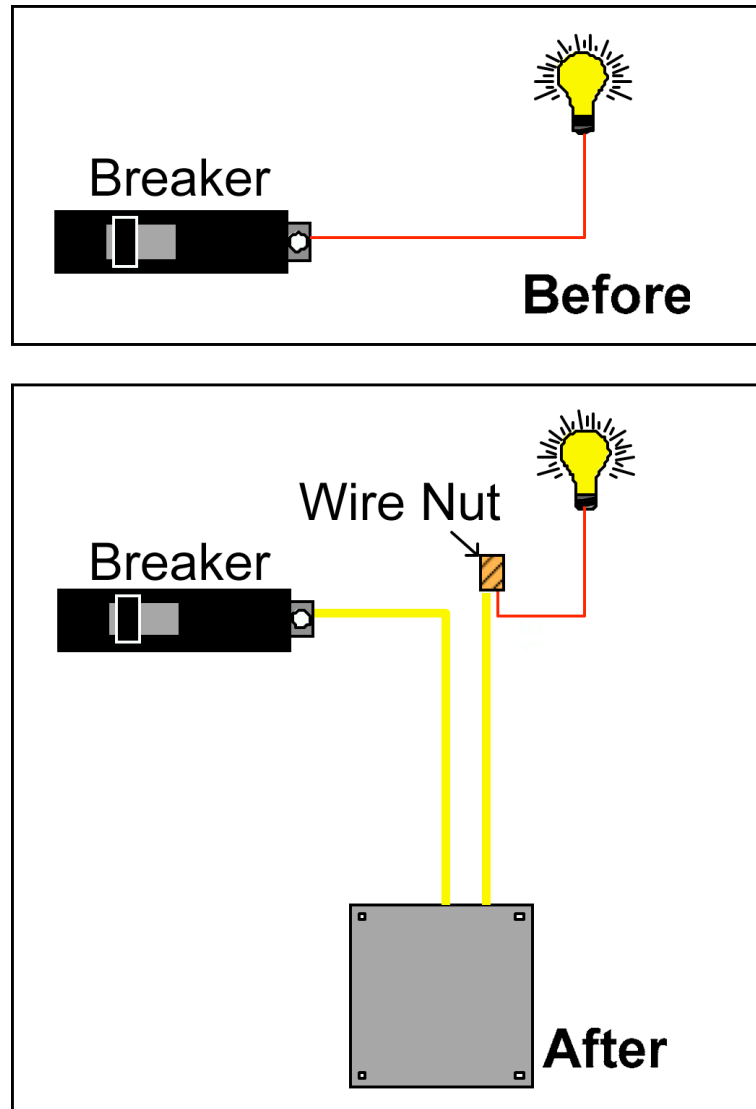


Figure 3.1: Lighting Load Wiring

- c. Using one of the included wire nuts, connect the *original* load wire that was in the breaker to the other side of the same color-coded ModelMinder control wire. (Figure 3.2)
- d. Repeat Steps 3b and 3c until all designated circuit breakers are connected to the color-coded ModelMinder control wires. [NOTE: ANY color-coded pair may be used for ANY load.]

ModelMinder Power Connection with a Standard Breaker (Figure 3.2)

- e. Connect the BLACK power wire from the ModelMinder to the breaker side of any of the controlled circuits [Note: Must be 115VAC only]. (Figure 3.2)
- f. Connect the white input power wire from the ModelMinder to the panel neutral. (Figure 3.2)
- g. Check all wiring. (Figure 3.5)
- h. Turn on main breaker. ModelMinder 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.

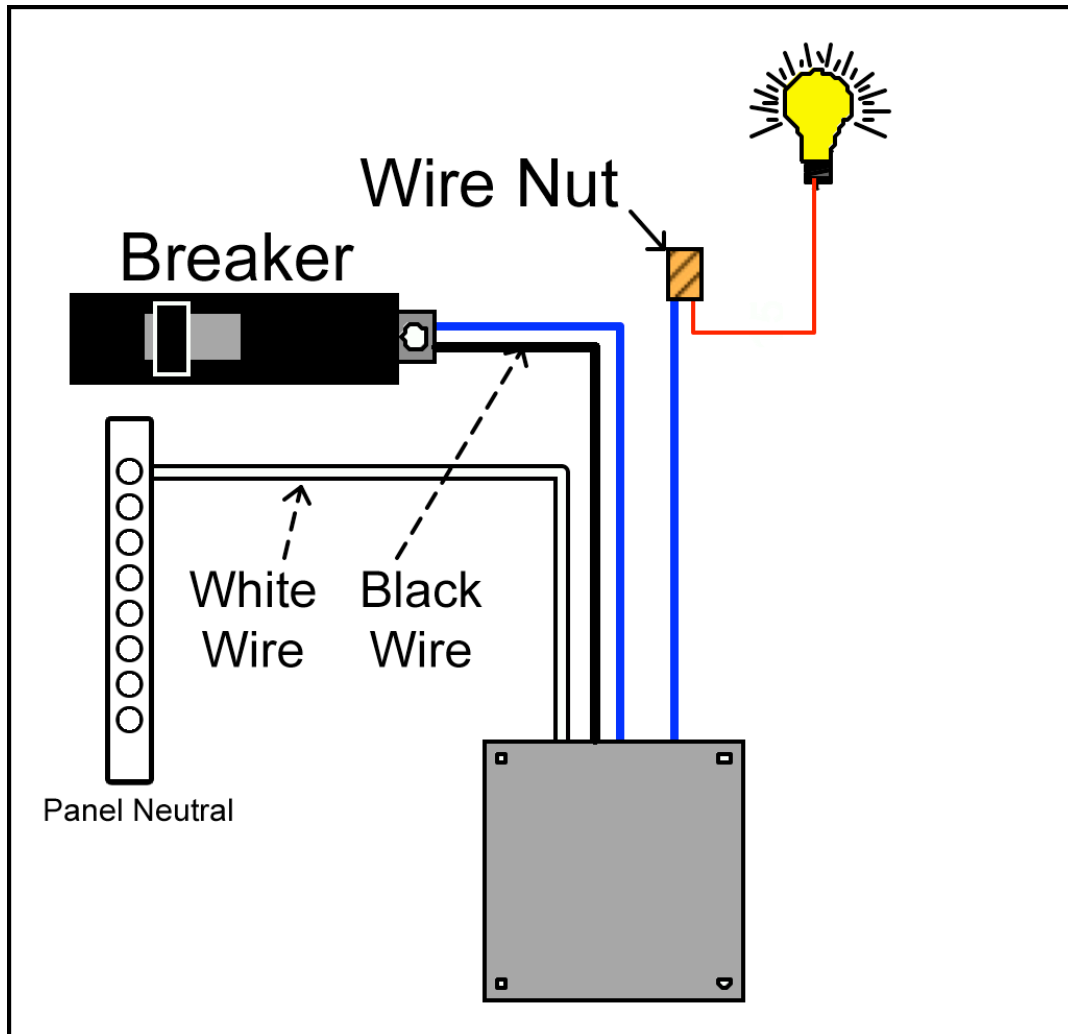


Figure 3.2: Input Power Wiring

OR (see next page)

ModelMinder Power Connection with an Arc Fault Breaker (Figure 3.4)

- e. Connect the BLACK power wire from the ModelMinder to the Arc Fault Breaker 'Load Power' terminal [Note: Must be 115VAC only]. (Figure 3.4)
- f. Connect the WHITE (neutral) wire from the ModelMinder to the Arc Fault Breaker 'Load Neutral' terminal. (Figure 3.4)
- g. Connect the coiled white wire from the Arc Fault breaker to the panel neutral bar. (Figure 3.4)

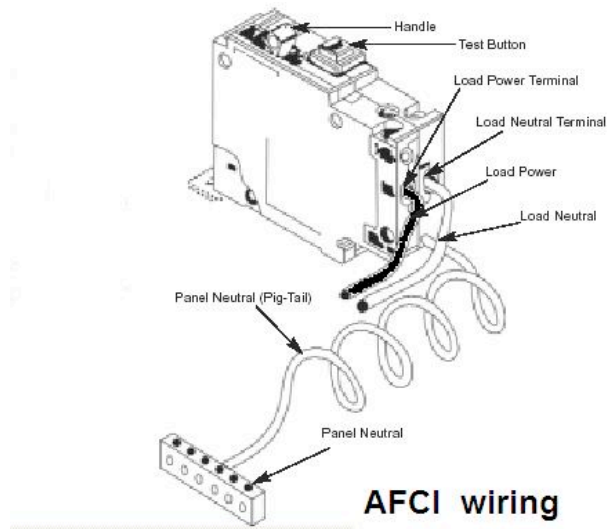


Figure 3.4: Arc Fault Breaker Input Power Wiring

- h. Check all wiring. (Figure 3.5)
- i. Turn on main breaker. ModelMinder 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.

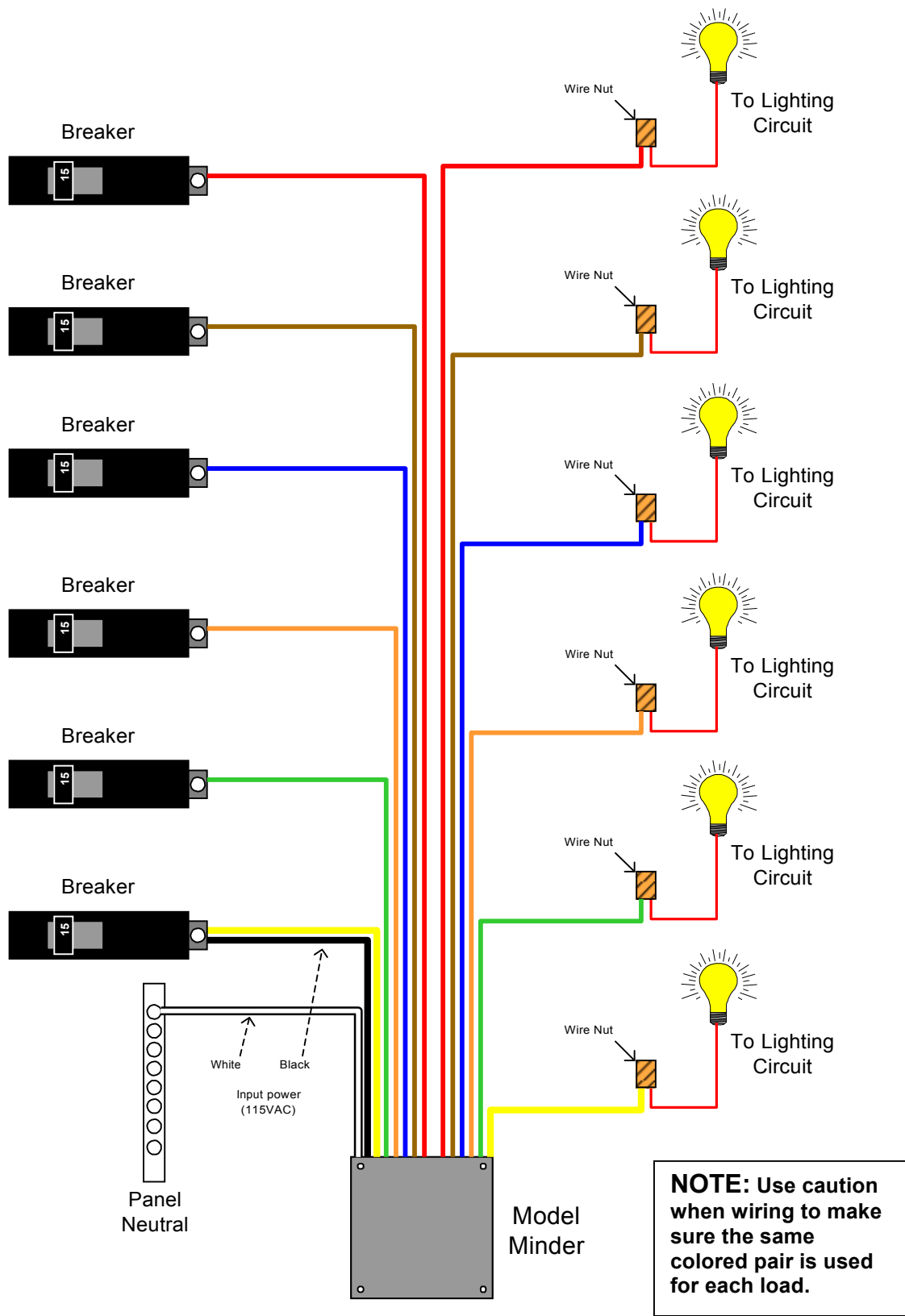


Figure 3.5: Complete Wiring

4. Timer and Override

- a. With front cover of ModelMinder removed, adjust timer up to 60 minutes based on the desired lighting control time for the ModelMinder. [Note: Recommended time is 15 Minutes] (Figure 4.1,2)
- b. If the ModelMinder installed is outfitted with an Override Key, the "OFF" position will leave the ModelMinder 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).
- c. If the ModelMinder Override Key is in the "ON" position the ModelMinder will be in Override Mode and the lighting circuits controlled by the ModelMinder will be ON continuously. While the ModelMinder is in the Override Mode, ensure that all lights to be controlled are on. [Make sure to return ModelMinder to Operational Mode after installation is complete]

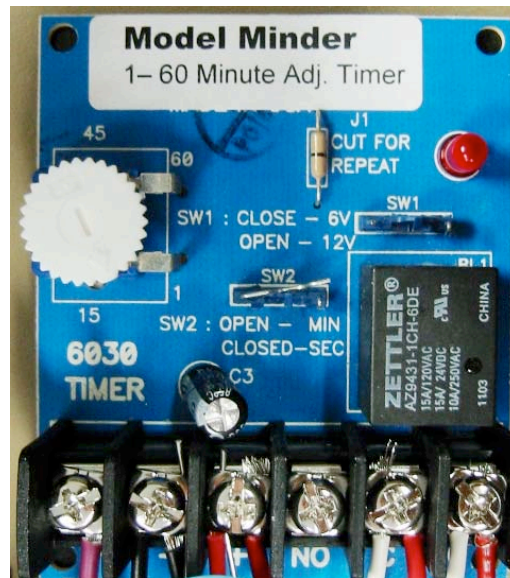


Figure 4.1: Timer Settings

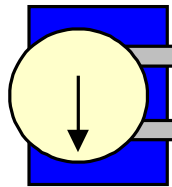


Figure 4.2: Recommended Time

5. Transmitter / Receiver

(NOTE: ALL MODEL MINDERS ARE FACTORY PROGRAMMED PRIOR TO SHIPPING. THIS STEP IS NECESSARY ONLY FOR REPLACEMENT TRANSMITTERS AND WIRELESS MOTION SENSOR.)

a. Programming

- i. Once the ModelMinder 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 ModelMinder 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 ModelMinder 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.

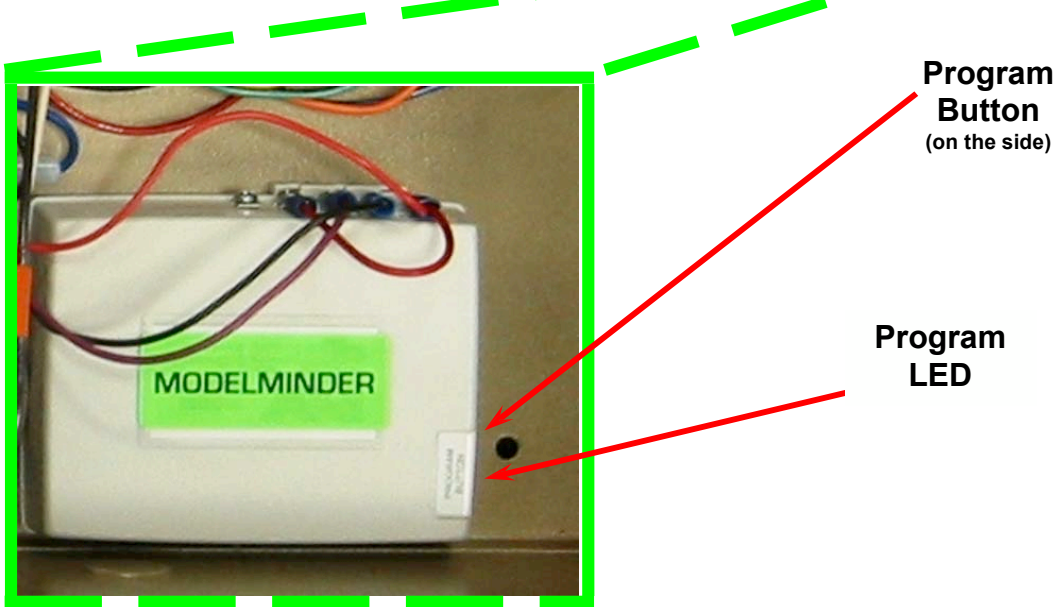
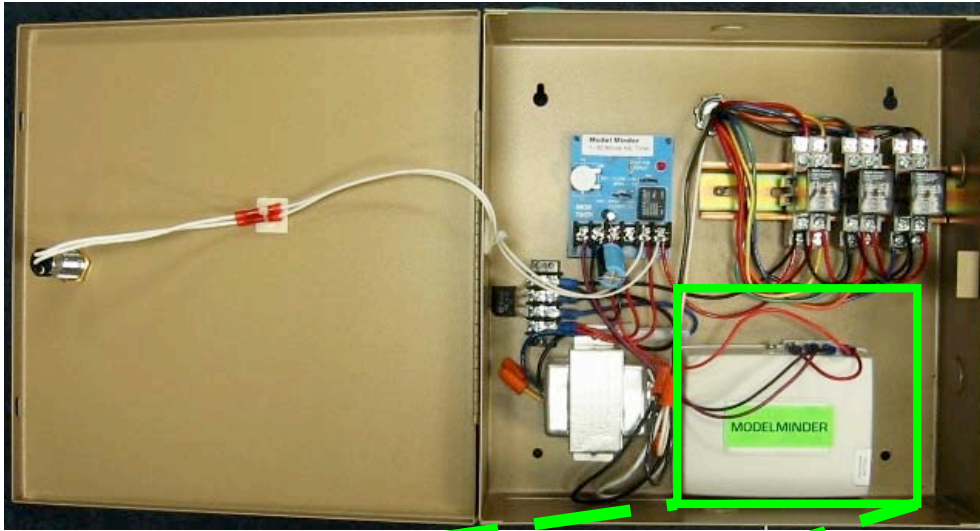


Figure 5.1: Wireless Programming Button

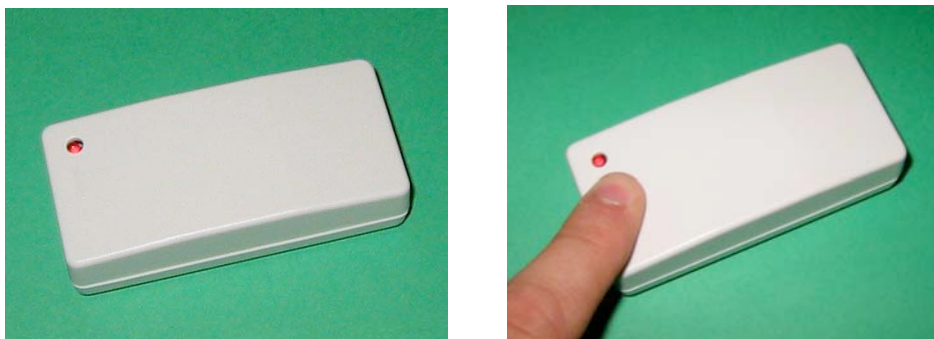


Figure 5.2: Wireless Sensor Programming

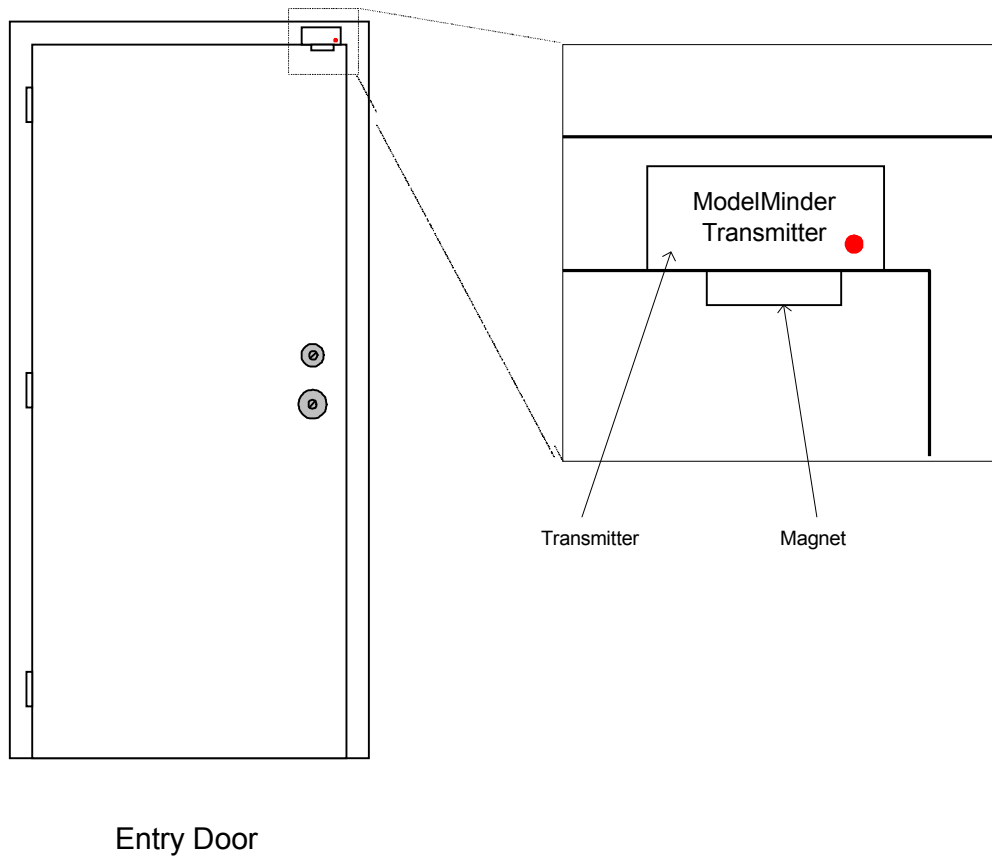


Figure 5.3: Wireless Door Sensor Transmitter

For questions please contact Technical Support:

support@modelminder.com

972-580-1166

To order more ModelMinder products contact Sales:

sales@modelminder.com

info@modelminder.com

972-580-1166