

Handset Transmitter

Instructions model: M3-2314; Part Number: JP-1236-HS

FEATURES

This state-of-the-art 4-channel hand-set transmitter is custom encoded to be an integral part of your patio heating control system.

1. Hand-set Transmitter Overview

- The transmitter has 4 buttons, each with a unique random code to control up to 4 heating zones.
- Each heater must have its own receiver that is programmed to one of the transmitter buttons.
- Multiple receivers can be programmed to the same transmitter button, so any number of heaters can be in a heating zone.
- If a master transmitter is lost: For security reasons, any back-up transmitter can have the random codes changed for each button, and then reprogram the heater receivers.
- The hand-set transmitter comes with the battery installed.
- Also supplied are a belt clip, clip compartment cover, and a programming connector (see section 5 below)



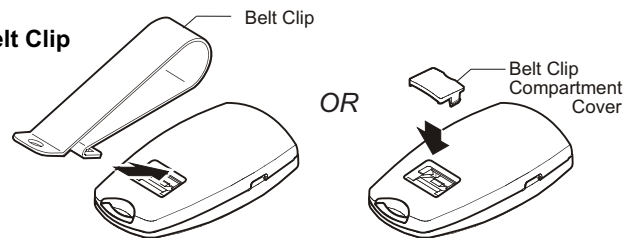
2. Transmitter Belt Clip

The belt clip allows for easy carrying of the transmitter and/or enables clipping of the transmitter in a storage location.

- Snap belt clip into back of transmitter as shown in Figure 1.

Note: If you do not need the belt clip, install the belt clip compartment cover.

Figure 1. Belt Clip



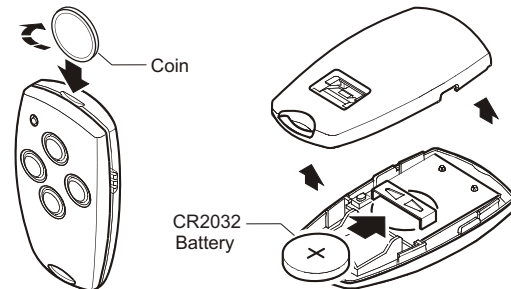
3. Battery Replacement

When replacing batteries follow the steps below:

- Open the transmitter case using small coin.
- Insert a 3V battery (type CR2032) as shown.
- Close the transmitter.

Note: Replace batteries with same type CR2032 only.

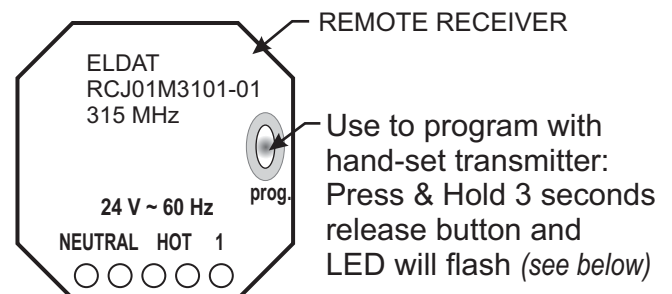
Figure 2. Battery Compartment



4. Programming a Receiver

- NOTE: Receiver must be installed in heater and 24Vac power supplied for programming to occur
- Press and hold the **prog.** button on receiver for 3 seconds
- Release the **prog.** button - LED will flash for about 10 seconds
- During the 10 second flash period, press and hold the desired control button on the hand-set transmitter
- As soon as the transmitter button code is transferred the receiver LED light will remain lit
- Release the transmitter button and wait a couple of seconds until "prog." LED light turns off
- Test receiver operation "ON" & "OFF" - only a quick push of transmitter button is required
- Repeat set up of other receivers to the hand-set transmitter button(s)

Figure 3. Programming a Receiver



Handset Transmitter

Instructions (continued)

5. Multiple Transmitters

Each transmitter comes factory programmed with 4 random codes, one per button.

Any other transmitter has 4 different unique random codes.

The first transmitter that is used to program the active codes into heater receivers acts as the “master” transmitter.

Any additional transmitter that is purchased to operate the same heaters (receivers) must have the master codes transferred from each button on the master transmitter to the respective button on the new/additional transmitter.

It's a simple and straightforward procedure:

- Connect the master transmitter with active code to the new transmitter using the programming connector (fig. 3A).
- Press and hold a selected channel button on the master transmitter with the active code (fig. 3B). The light on the transmitter illuminates.
- Press and hold the respective channel button on the new transmitter (fig. 3C). The light on the transmitter initially starts blinking and then illuminates continuously after 1-2 sec. Code transfer is completed between those buttons.
- Repeat above procedure for each active button.
- Programming connector can be removed and both transmitters are now active masters that can operate the heaters.

5. Changing the Code on a Transmitter

If you lose a transmitter, there may be concern that an unauthorized person who finds it could now activate your system.

To create a new ‘master’ transmitter using an existing back-up transmitter, the factory preset codes can be changed as follows:

- Connect the programming connector into one of the side sockets of the transmitter.
- Short one of the outer pins of the programming connector with the middle pin.
- Press and hold the respective channel button. The light will blink rapidly for approx. 3 to 5 seconds. Release the button after the light illuminates continuously.
- Repeat the process for each active channel button. Then remove the programming connector.
- The heater receivers will now need to be reprogrammed to the new master transmitter codes.

Figure 3. Multiple Transmitters-Code Transfer

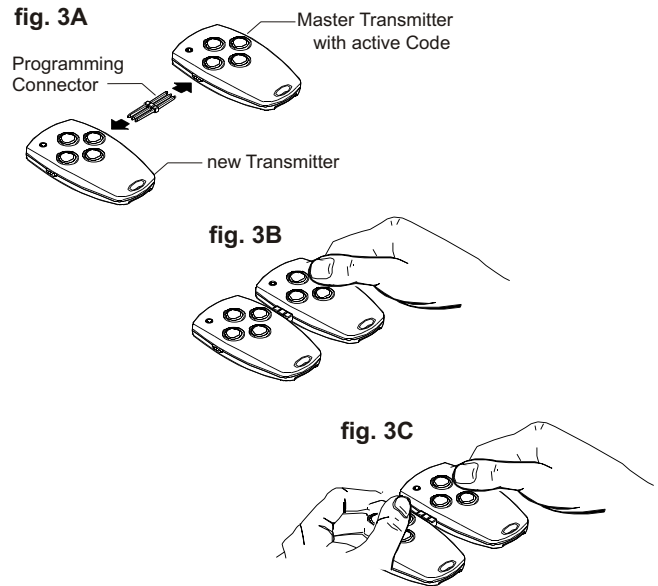
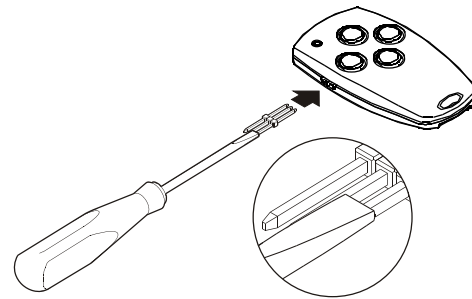
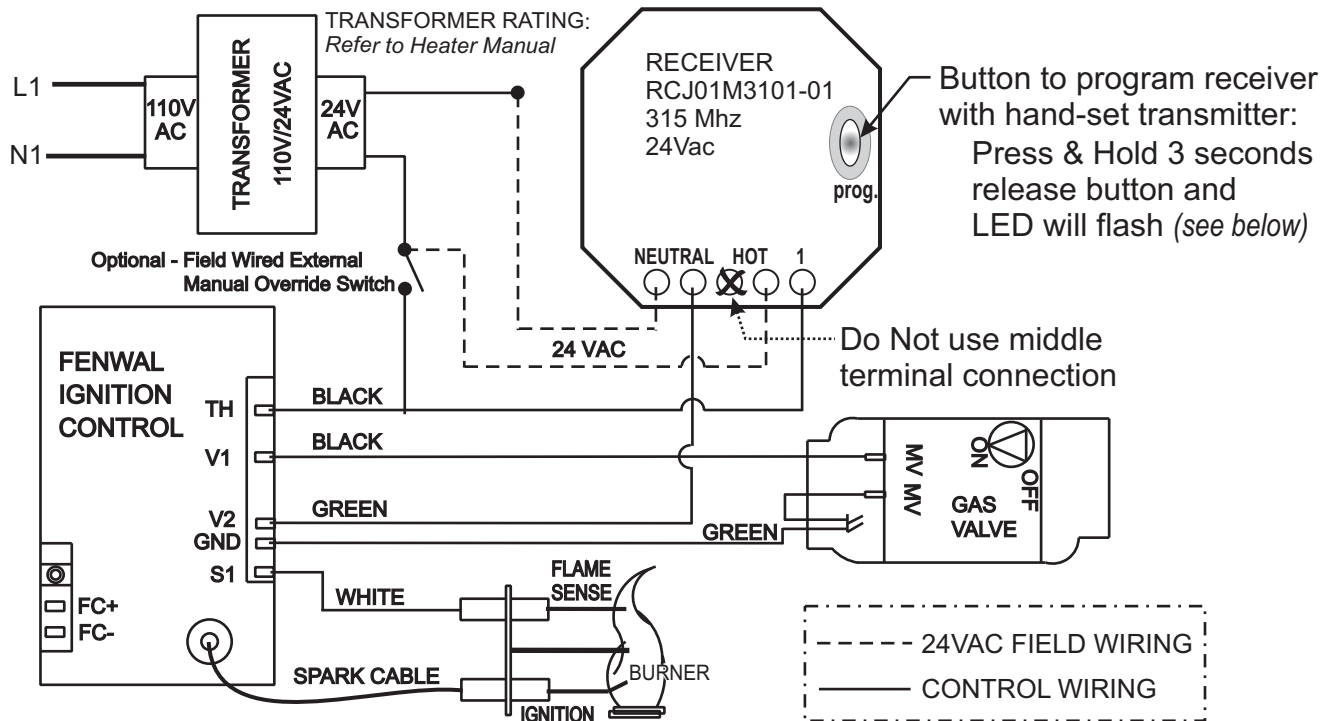


Figure 4. Code Changing



JP-1236-RK REMOTE CONTROL RECEIVER KIT INSTALLATION 2100 & 2300 SERIES / IO-100 & IO-210 SERIES (HIGH INTENSITY)

THIS KIT CONTAINS 3 WIRES - RED WIRE IS ONLY FOR TUBE HEATER
FOR TUBE HEATER INSTALLATION SEE REVERSE SIDE

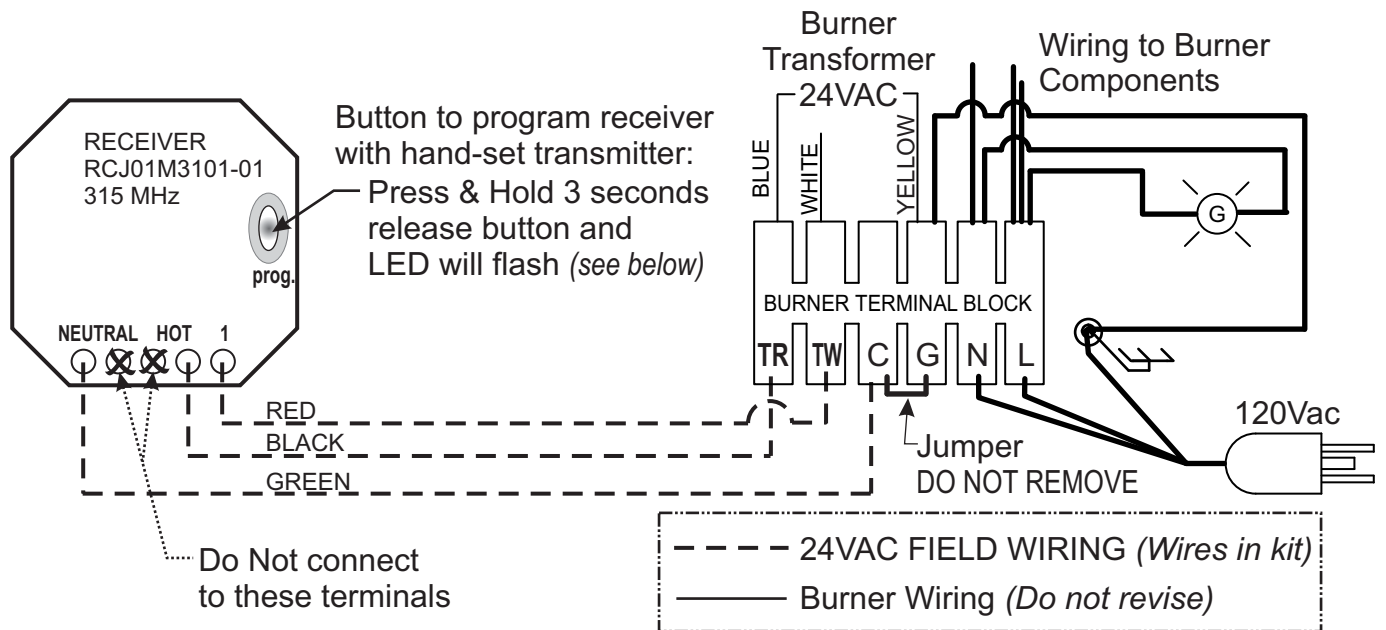


Quick Set-up (refer to heater manual for complete instructions)

- Hand-set transmitter has 4 buttons to control up to 4 heat zones
- Any number of receivers can be programmed to operate with the same transmitter button
- The number of heaters in any individual zone (one transmitter button) will depend on the comfort zoning requirements of the particular patio
- Refer to Installation Manual for access to heater controls
- Connect Green lead from **V2 GND** terminal at Ignition Control to **Neutral** terminal at receiver
- Connect Black lead from **TH** terminal at Ignition Control to terminal marked "1" at receiver
- Connect 24 Vac power supply to other **Neutral** and the **Hot** terminal (beside 1) of the receiver
- Turn on 24 Vac power supply to receiver
- Program receiver to hand-set transmitter:
 - Each hand-set transmitter button controls both "ON" and "OFF" functions
 - Press and hold the receiver "**prog.**" button for 3 seconds
 - Release the "**prog.**" button - LED will begin to flash for a period of about 10 seconds
 - Within the 10 second flash period press and hold the appropriate transmitter button (1 of 4)
 - As soon as the transmitter button code is transferred the receiver LED light will remain lit
 - Release transmitter button and wait a couple of seconds until "**prog.**" LED light turns off
 - Test receiver operation "ON" & "OFF" - only a quick push of transmitter button is required
 - Repeat set up of other receivers to the hand-set transmitter button(s)
- Remove backing from Velcro patches (supplied)
 - Install to the back surface of the receiver - mount to an inside surface of the control enclosure

JP-1236-RK REMOTE CONTROL RECEIVER KIT TUBE HEATER INSTALLATION - REMOTE RECEIVER + Wires + Velcro

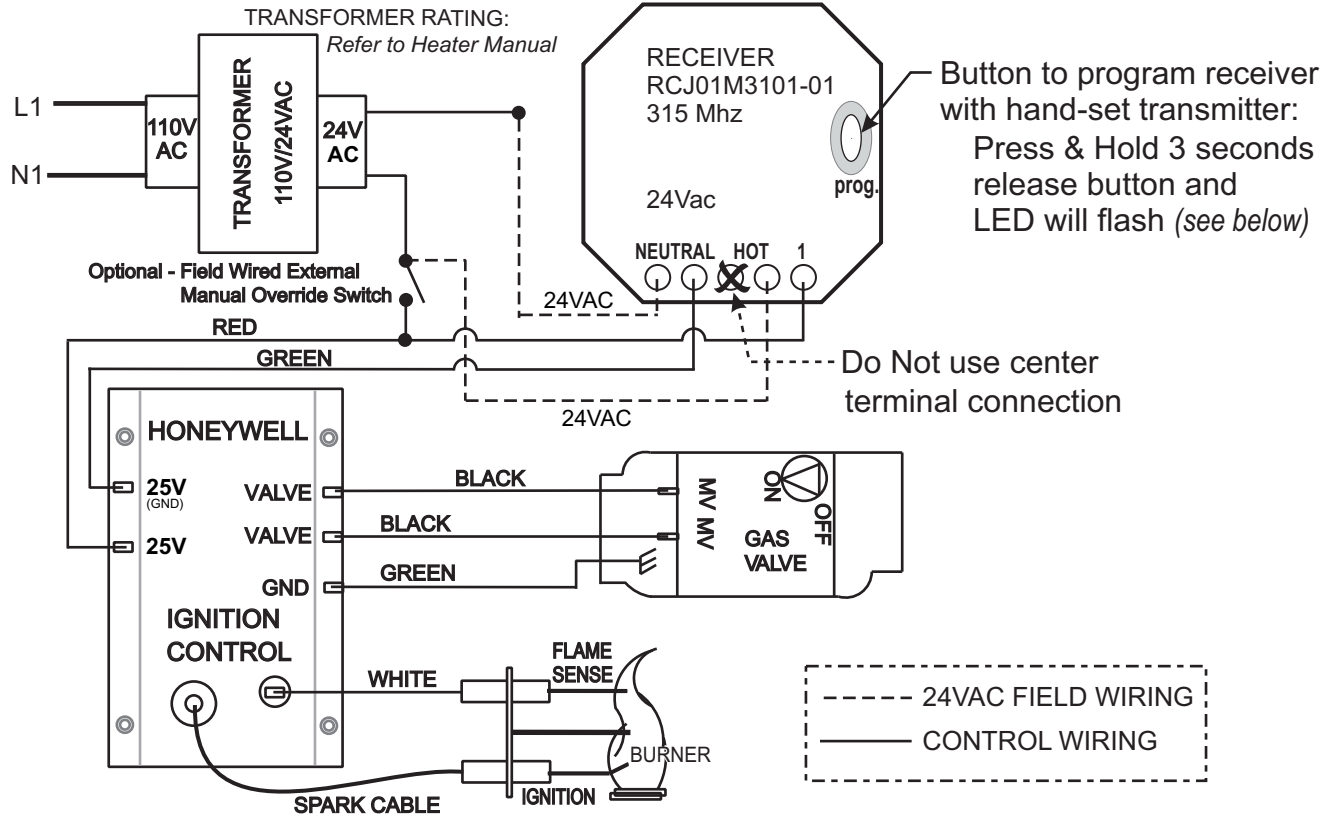
FOR HIGH INTENSITY HEATER INSTALLATION SEE REVERSE SIDE



Quick Set-up (refer to heater manual for complete instructions and specifications)

- Hand-set transmitter has 4 buttons to control up to 4 heat zones
- Any number of receivers can be programmed to operate with the same transmitter button
- The number of heaters in any individual zone (one transmitter button) will depend on the comfort zoning requirements of the particular patio
- Refer to Installation Manual for access to heater controls
- The Receiver Kit includes 3 connection wires: Green, Black, Red
 - Connect Green wire from 'C' at burner terminal block to far left **NEUTRAL** at receiver
 - Connect Black wire from 'TR' at burner terminal block to **HOT** (beside "1") at receiver
 - Connect Red wire from 'TW' at burner terminal block to "1" at receiver
- Turn on 120Vac power supply to the heater
- Program receiver to hand-set transmitter:
 - Each hand-set transmitter button controls both "ON" and "OFF" functions
 - Press and hold the receiver "**prog.**" button for 3 seconds
 - Release the "**prog.**" button - LED will begin to flash for a period of about 10 seconds
 - Within the 10 second flash period press and hold the appropriate transmitter button (1 of 4)
 - As soon as the transmitter button code is transferred the receiver LED light will remain lit
 - Release transmitter button and wait a couple of seconds until "**prog.**" LED light turns off
 - Test receiver operation "ON" & "OFF" - only a quick push of transmitter button is required
 - Repeat set up of other receivers to the hand-set transmitter button(s)
- Remove protective backing from Velcro patches (supplied)
 - Install Velcro to the back surface of the receiver
 - Mount receiver to top inside surface of burner enclosure near the terminal block with receiver antenna facing inward

JP-1236-RK REMOTE CONTROL RECEIVER KIT INSTALLATION 2100 & 2300 SERIES / IO-100 & IO-210 SERIES (HONEYWELL DSI CONTROL)



Quick Set-up

Hand-set transmitter has 4 buttons to control up to 4 heat zones

Any number of receivers can be programmed to operate with the same transmitter button

The number of heaters in any individual zone (one transmitter button) will depend on the comfort zoning requirements of the particular patio

Refer to Installation Manual for access to heater controls

Connect Green lead from **25V(GND)** terminal at Ignition Control to **Neutral** terminal at receiver

Connect RED lead from **25V** terminal at Ignition Control to terminal marked "1" at receiver

Connect 24 Vac power supply to the other **Neutral** and the **Hot** terminal (beside 1) of the receiver

Turn on 24 Vac power supply to receiver

Program receiver to hand-set transmitter:

Each hand-set transmitter button controls both "ON" and "OFF" functions

Press and hold the receiver "**prog.**" button for 3 seconds

Release the "**prog.**" button - LED will begin to flash for a period of about 10 seconds

Within the 10 second flash period press and hold the appropriate transmitter button (1 of 4)

As soon as the transmitter button code is transferred the receiver LED light will remain lit

Release transmitter button and wait a couple of seconds until "**prog.**" LED light turns off

Test receiver operation "ON" & "OFF" - only a quick push of transmitter button is required

Repeat set up of other receivers to the hand-set transmitter button(s)

Remove backing from Velcro patches (supplied)

Install to the back surface of the receiver - mount to an inside surface of the control enclosure


Wireless Keypad Control

Note: Refer to Receiver & Handset Instructions for programming the system

A Handset Transmitter is the “master control” in the remote control system, first required to establish codes that operate the remote receivers installed in heaters. System control codes must be transferred to the Keypad Control from the master Handset Transmitter. Remote Receivers and Handset Transmitters are purchased separately.

FEATURES

The Wireless Keypad Control System offers the convenience of remotely controlling the operation of patio heaters by entering unique 4-digit Private Identification Numbers (PIN) via the keypad. It can be programmed to control up to 3 heating zones by programming a unique PIN code for each zone.

A fourth heater zone can also be programmed for simple control without a PIN using the “Light” key. 

Other Features Include:

Wireless Installation, Code Security, Anti-Tampering, and Weather Resistant Design for outdoor (or indoor) installation. Familiarize yourself with the parts shown in Figure 1.

Step 1: Setting Up Your Private Identification Numbers (PIN) and Transferring Codes (Fig. 2)

To Transfer Control Codes to the Keypad from a Handset Transmitter:


- The Keypad Control can control 3 heater zones using 4-digit PINs, and a 4th zone using the “Light” key. Simple PINs that relate to the heater zones are recommended for staff to remember easily. Record the list of heater zones and associated PIN/Light key, and keep it in a secure place.
 - Open the code transfer terminal area (Fig. 2a - lower left side) and connect the Handset Transmitter to the Keypad Control using the 3-pronged Code Transfer Connector.
 - Press and hold one of the transmitter buttons on the Handset.
 - On the Keypad Control press the ENTER key - keypad illuminates
 - Input any new 4-digit PIN of your choice. Press ENTER again.
 - Continue holding the Handset button until the LED (above the “5” key) on the Keypad blinks rapidly, then release the Handset Button.
 - The Keypad Control has now learned the code from that Handset button and stored it under the PIN that you entered.
 - Repeat the above procedure for up to two more handset Handset buttons, programming each with a unique PIN.
- To transfer a Handset Code to the “Light” key  (*Handset remains connected to Keypad with Code Transfer Connector*)
- Press and hold the Handset button (heater zone) you choose to assign to the “Light” key.
 - Press the ENTER Key on the Keypad. The keypad illuminates.
 - Press the “Light” key. Press the ENTER key again.
 - Continue holding the Handset button until the LED on the Keypad blinks rapidly.
 - The Keyless Entry System has now learned the new code for the “Light” key from the transmitter.
 - Close the Keypad cover, remove the Code Transfer Connector, store in a secure place along with a list of heater zones and PIN's.
- **REFER TO STEP 3 BELOW FOR KEYPAD CONTROL OPERATION -**
NOTE: To activate a heater zone, PIN entry must be followed by the ENTER key

Figure 1. Keypad Control System Mounting

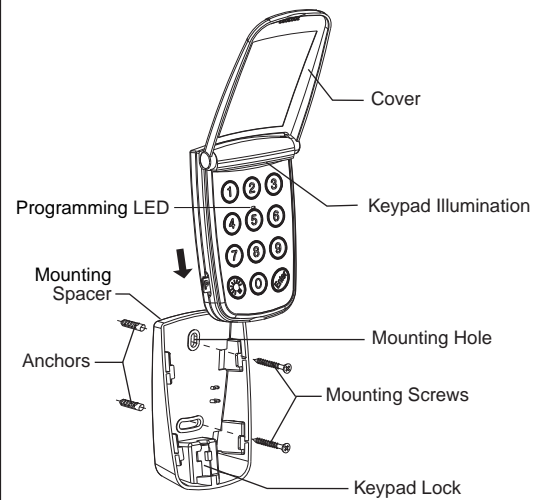
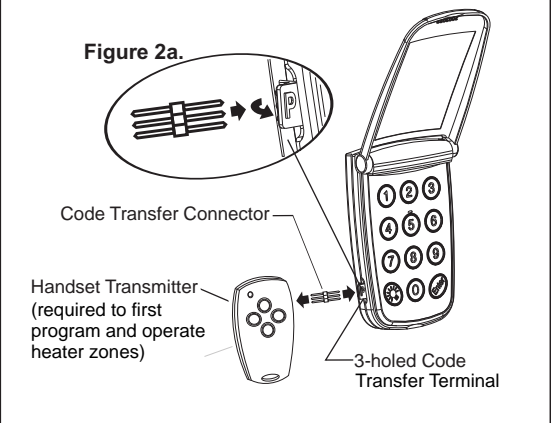


Figure 2. Code Transfer: Handset to Keypad



Wireless Keypad Control

Instructions (Continued)

Step 2: Mount the Keypad (Figure 1)

- Choose location for mounting your Keypad Control.
- Using mounting holes at top and bottom of the mounting spacer as a guide, mark hole locations and then drill two 1/8" pilot holes.
- Secure spacer to the mounting surface with the (2) 1/8" x 1-3/8" screws provided. For mounting surfaces that are not made of wood, alternate anchoring means may be needed.
- Snap the Keypad Control into the spacer.
- Turn the Keypad Lock on the bottom of the spacer clockwise using a coin to lock the Keypad into the mounting spacer.

Remember to unlock the Keypad to remove it in future.

Step 3: Using Keypad Control

Familiarize all staff members with these procedures

Switching On the Keypad Illumination

- Press the LIGHT key. The keypad illumination turns on for 5 seconds.

Turning a Heater Zone "ON/OFF": PIN + Enter key

PLEASE NOTE: High intensity (ceramic burner) type heaters will ignite in seconds, and reach full IR output within 5 minutes.

Tube type heaters, have a built in pre-purge that delays ignition for 30 seconds after turning 'On'. A tube heater reaches full IR output in 15 to 20 minutes.

- **Enter a 4-digit PIN** (programmed in Step 1) **then press the ENTER key.** Heater ignition sequence will begin in the zone associated with that PIN.
- Keypad Control will remain active and LED will flash for approximately 18 seconds after pressing the ENTER key. During this time, the heaters can be stopped by pressing any button (except the LIGHT button).
- **IMPORTANT: Wait 18 seconds until the LED stops flashing before entering the PIN to activate another zone of heaters.** When the LED is no longer flashing, enter the unique PIN + ENTER for the next heater zone.
- Repeat the PIN + ENTER key sequence to turn "Off" a heater zone. Wait 18 seconds between zone shut-downs.

Note:

If an invalid PIN is entered 3 times in a row, the Keypad Control automatically shuts off to prevent tampering or unauthorized use. After 2 minutes, the Keypad Control is active again.

"Light" function to switch a heater zone "ON/OFF"

- To turn a heater zone "On", **press the "Light" key followed by the ENTER key.**
- Repeat the key sequence to turn "Off" a heater zone

For protection of keypad, keep cover closed when not in use.

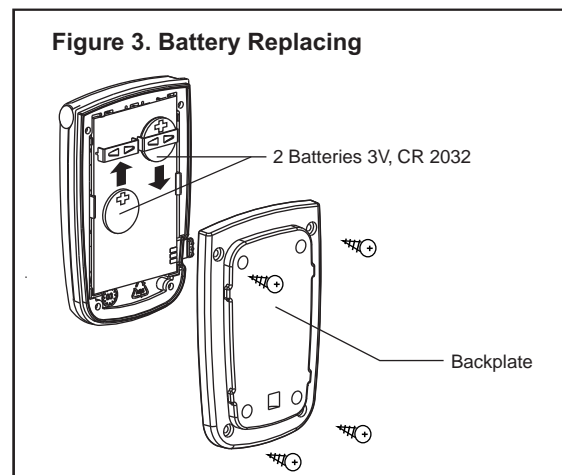
Changing a PIN

- Press and hold "key 0" on the keypad for 3 seconds until the LED on the keypad blinks rapidly.
- Enter the PIN which is to be changed (erased) followed by the ENTER key.
- Enter the new 4-digit PIN followed by the ENTER key. The LED on the keypad will turn on (not flash) for 2 seconds.
- The Keypad Control is now ready for use again with the new pin (Old PIN is erased and no longer valid).

Clearing the Memory

- This procedure is required if a new master handset and codes are set up for system control.
- Press and hold the LIGHT key on the keypad for 3 seconds until the LED on the keypad blinks rapidly.
- Enter the PIN 9-9-9-9.
- Release LIGHT key. The code memory is cleared. The LED on the keypad will illuminate for 2 seconds.

Battery Replacement (Figure 3)



- Always replace BOTH CR 2032 batteries.
- During battery replacement, the Keypad will remember the programmed codes and PINs.
- Use a coin to turn the lock key on the bottom of the spacer counterclockwise and remove the Keypad from the spacer.
- Release the backplate of the Keypad (4 Phillips screws).
- Remove old batteries.
- Install 2 new 3V batteries, CR 2032. Match polarity designation. Test operation.
- Reinstall the backplate on Keypad, and Keypad to spacer.

FCC Certified: This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.