**1 Prepare the door and check dimensions**

If drilling a new door, use the supplied template and the complete door drilling instructions available at www.kwikset.com/doorprep.

**A** Measure to confirm that the hole in the door is either 2-1/8" (54 mm) or 1-1/2" (38 mm).

**B** Measure to confirm that the backset is either 2-3/8" or 2-3/4" (60 or 70 mm).

**C** Measure to confirm that the hole in the door edge is 1" (25 mm).

**D** Measure to confirm that the door is between 1-3/8" and 1-3/4" (35 mm and 44 mm) thick.

Note: Additional door preparation may be required for doors with 1-1/2" (38 mm) holes. Consult the deadbolt drilling instructions at www.kwikset.com/doorprep.

**2 Install the latch and strike**

**A** Is the door edge chiseled?

**YES**

Use latch “A” if the latch bolt is not already extended, or install the latch as shown.

**NO**

Use latch “B” if the latch bolt is not already extended, or install the latch as shown.

**B** Hold the latch in front of the door hole, with the latch face flush against the door edge.

**C** Are the latch holes centered in the door hole?

**YES**

No adjustment is required. Proceed to next step.

**NO**

Rotate latch face as shown to extend latch.

**D** Which latch are you installing?

**Latch “A”**

**Latch “B”**

**E** Install strike on the door frame.

Make sure the hole in the door frame is drilled a minimum of 1" (25 mm) deep.

Longer screws install closest to the door frame.
3 Install the exterior keypad

A Insert cylinder into keypad.
B What is the diameter of the hole in the door?
   - Diameter is 2-1/8” (54 mm)
   - Diameter is 1-1/2” (38 mm)
C Install exterior keypad and mounting plate.
   - Locate screws and keep them within reach.
   - Support exterior assembly during mounting plate installation.
   - Cable goes under latch.
   - Keep parallel to edge of door.
   - Insert key and test latch. If latch does not extend or retract smoothly, adjust screws (T).
   - Support exterior assembly during mounting plate installation.
   - Cable goes under latch.
   - Keep parallel to edge of door.
   - Insert key and test latch. If latch does not extend or retract smoothly, adjust screws (T).
D Install "D" on "F".
E "D" is not needed for installation. Discard "D".
F Insert "D" on "F".
G "D" is not needed for installation. Discard "D".

4 Install the interior assembly

A Remove battery cover.
B Remove battery pack.
C Make sure the turnpiece is in the vertical position.
D Connect cable. Ensure tight cable connection.
E Lay cable flat against the interior housing.
F Push turnpiece shaft onto torque blade.
G Secure interior assembly with supplied screws.

5 Install the batteries and perform the door handing process

This step will teach your lock the orientation of your door and is crucial to lock operation.

A Install 4 AA batteries in battery pack.
B Press and HOLD the Lock button while installing battery pack. Hold button until the latch bolt starts moving on its own.
C Did the latch bolt retract and extend on its own when the battery pack was installed?
   - YES
   - Door handing process was successful! Proceed to next step after latch bolt stops moving.
   - NO
   - Remove battery pack, wait 15 seconds, then attempt the process again.
6 Add user codes (8 max)

Programming Timeout
If no button is pressed for five seconds, the system will time out and you will need to restart the procedure.

A Make sure the door is open. Press the Program button the number of times that corresponds to the user code position being programmed.

B Enter user code. A total of 8 user codes may be programmed.

C Press Lock button once.

Example: If programming the third code, press the button three times.

Each user code must be a unique code between 4 and 8 digits.

D What lights and sounds does the lock produce?

- One green flash with one beep*
- Three red flashes with three beeps*
- Two beeps*

*Beeping sound will only be heard if switch #3 (on the lock interior) is in the on position. See "Switches and Status LED Colors" on page 4.

Programming was successful.
Programming was unsuccessful.
Programming time out.

Make sure the user code is not a duplicate and that it is between 4 and 8 digits during your next attempt.

Locking the Door
Unlocking the Door

Press Lock button once. Enter user code.

Tip: You can press the Lock button before entering your user code to light up the keypad at night.

7 Test the lock (review normal operation)

Confirm that the code(s) added in previous step can unlock the door.

Locking the Door
Unlocking the Door

Press Lock button once. Enter user code.

Tip: You can press the Lock button before entering your user code to light up the keypad at night.

8 Re-key the lock (if needed) and install the battery cover

A Re-key the lock (if needed)

B Install the battery cover

IMPORTANT: Remove battery pack before re-keying.

Re-key the lock to work with your existing key. See the supplied SmartKey Re-key Instructions for more information.

Reinstall battery pack.

Add user codes (8 max)

Programming was successful.
Programming was unsuccessful.
Programming time out.

Make sure not to pause for more than 5 seconds during programming.

Mastercode

For enhanced security, a mastercode may be used when adding and deleting user codes. For more information about the mastercode, download the Programming and Troubleshooting Guide on the SmartCode 909 page at www.kwikset.com.

E add user codes

F Programming Timeout

G Confirm that the code(s) added in previous step can unlock the door.

H Locking the Door

I Unlocking the Door

J Test the lock (review normal operation)

K Re-key the lock (if needed) and install the battery cover

L IMPORTANT: Remove battery pack before re-keying.

M Re-key the lock to work with your existing key. See the supplied SmartKey Re-key Instructions for more information.

N Reinstall battery pack.

O Add user codes (8 max)

P Programming Timeout

Q Confirm that the code(s) added in previous step can unlock the door.

R Locking the Door

S Unlocking the Door

T Test the lock (review normal operation)

U Re-key the lock (if needed) and install the battery cover

V IMPORTANT: Remove battery pack before re-keying.

W Re-key the lock to work with your existing key. See the supplied SmartKey Re-key Instructions for more information.

X Reinstall battery pack.
**System Alerts**

<table>
<thead>
<tr>
<th>Alert</th>
<th>Reason</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keypad flashes red 1 time with 1 beep*</td>
<td>Door jammed while attempting to lock.</td>
<td>Manually re-lock door. If needed, reposition strike.</td>
</tr>
<tr>
<td>Keypad flashes red 3 times with 3 beeps*</td>
<td>Unsuccessful programming</td>
<td>Attempt programming procedure again.</td>
</tr>
<tr>
<td>Keypad flashes red 10 times with 10 beeps*</td>
<td>One incorrect code entered.</td>
<td>Re-enter code.</td>
</tr>
<tr>
<td>Keypad flashes red 10 times with 10 beeps*</td>
<td>No user code programmed.</td>
<td>Program at least one user code.</td>
</tr>
<tr>
<td>Keypad flashes red 3 times.</td>
<td>Programming timeout.</td>
<td>Attempt programming procedure again, making sure not to pause for more than 5 seconds.</td>
</tr>
<tr>
<td>Keypad flashes red 6 times with 6 beeps*</td>
<td>Three incorrect codes entered within one minute.</td>
<td>Re-enter code after 60 second keypad lockout.</td>
</tr>
<tr>
<td>Keypad flashes red 15 times with 15 beeps*</td>
<td>Three incorrect codes entered within one minute.</td>
<td>Re-enter code after 60 second keypad lockout.</td>
</tr>
</tbody>
</table>

*Beeping sound will only be heard if switch #3 is on.

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**Dealing with a User Code**

In order to delete a user code, you must overwrite the code by adding a different user code in the same position. For example, if you want to delete the third code, add a different user code in position three.

1. Test the old user code to make sure it can no longer unlock the door.
2. If you cannot remember the user code position, you may wish to perform a factory reset to delete all codes associated with the lock.

**Factory Reset**

A factory reset will delete all codes associated with the lock.

1. Remove battery pack.
2. Press and HOLD the Program button while reinstalling the battery pack. Keep holding the button for 30 seconds until the lock beeps and the status LED flashes red.
3. Press the Program button once more. When the LED flashes green and you hear one beep, the lock has been reset.
4. Perform the door handing process again to teach the lock the orientation of the door, and add user codes to your lock.

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**Reference Guide**

**SmartCode at a Glance**

[Diagram showing Keypad, Lock button, Status LED, Switches, Turnpiece, Keyway, SmartKey tool hole, Program button, Lock button, Status LED]

**Switches and Status LED colors**

<table>
<thead>
<tr>
<th>Switch</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Door lock status LED blinks every 6 seconds</td>
</tr>
<tr>
<td>2</td>
<td>Lock automatically re-locks door 30 seconds after unlocking. Disabled if no codes are programmed</td>
</tr>
<tr>
<td>3</td>
<td>Audio</td>
</tr>
<tr>
<td>4</td>
<td>Not used</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Color</th>
<th>Lock Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blinking green</td>
<td>Unlocked</td>
</tr>
<tr>
<td>Blinking amber</td>
<td>Locked</td>
</tr>
<tr>
<td>Blinking red</td>
<td>Low battery</td>
</tr>
<tr>
<td>Solid red</td>
<td>Door handing process did not work properly. See the online Programming and Troubleshooting Guide.</td>
</tr>
</tbody>
</table>

**Troubleshooting**


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**Important Safeguards**

1. Read all instructions in their entirety.
2. Familiarize yourself with all warning and caution statements.
3. Remind all family members of safety precautions.
4. Protect your user codes and mastercode.
5. Dispose of used batteries according to local laws and regulations.

**CAUTION:** Prevent unauthorized entry. Since anyone with access to the back panel can change the user codes, you must restrict access to the back panel and routinely check the user codes to ensure they have not been altered without your knowledge. The use of a mastercode can help protect your system’s settings.

**WARNING:** This Manufacturer advises that no lock can provide complete security by itself. This lock may be defeated by forcible or technical means, or evaded by entry elsewhere on the property. No lock can substitute for caution, awareness of your environment, and common sense. Builder’s hardware is available in multiple performance grades to suit the application. In order to enhance security and reduce risk, you should consult a qualified locksmith or other security professional.