

## Kwikset 97800-222

# Kwikset 780 Single Cylinder Deadbolt Lock Instruction Manual

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Kwikset 780 Single Cylinder Deadbolt Lock. Please read these instructions carefully before installation and use to ensure proper function and security.

The Kwikset 780 Deadbolt is designed for exterior-facing doors, offering enhanced security with its single-cylinder operation and SmartKey Rekey Security technology.

## 2. PRODUCT OVERVIEW AND COMPONENTS

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Your Kwikset 780 Deadbolt Lock includes the following components:

- External Deadbolt Assembly (Keyed Side)
- Internal Deadbolt Assembly (Thumbturn Side)
- Adjustable Latch
- Strike Plate
- Mounting Screws
- 2 Keys
- SmartKey Reset Tool



Image 1: Exterior view of the Kwikset 780 Deadbolt Lock in Satin Chrome.



Image 2: Interior view of the Kwikset 780 Deadbolt Lock with thumbturn.

### 3. INSTALLATION INSTRUCTIONS

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Installation typically requires only a Phillips head screwdriver. Ensure your door is between 1-3/8" and 1-3/4" thick. The latch backset is adjustable from 2-3/8" to 2-3/4".

1. **Prepare the Door:** Verify that the door has standard bore holes for a deadbolt. If installing on a new door, follow the template provided with the lock for drilling.
2. **Adjust the Latch:** If necessary, twist the latch mechanism to adjust the backset to either 2-3/8" (60mm) or 2-3/4" (70mm) to match your door's existing bore hole.
3. **Install the Latch:** Insert the latch into the edge of the door, ensuring the bolt faces the door frame. Secure it with the provided screws.
4. **Install the Exterior Deadbolt:** Insert the exterior deadbolt assembly (with the key cylinder) through the door,

aligning the tailpiece with the slot in the latch mechanism.

5. **Install the Interior Deadbolt:** Place the interior deadbolt assembly over the tailpiece and align the mounting holes. Secure both assemblies with the long mounting screws.
6. **Install the Strike Plate:** Attach the strike plate to the door frame, ensuring it aligns with the deadbolt. Secure with screws.
7. **Test Operation:** Insert a key into the exterior cylinder and turn to ensure the deadbolt extends and retracts smoothly. Test the interior thumbturn as well.

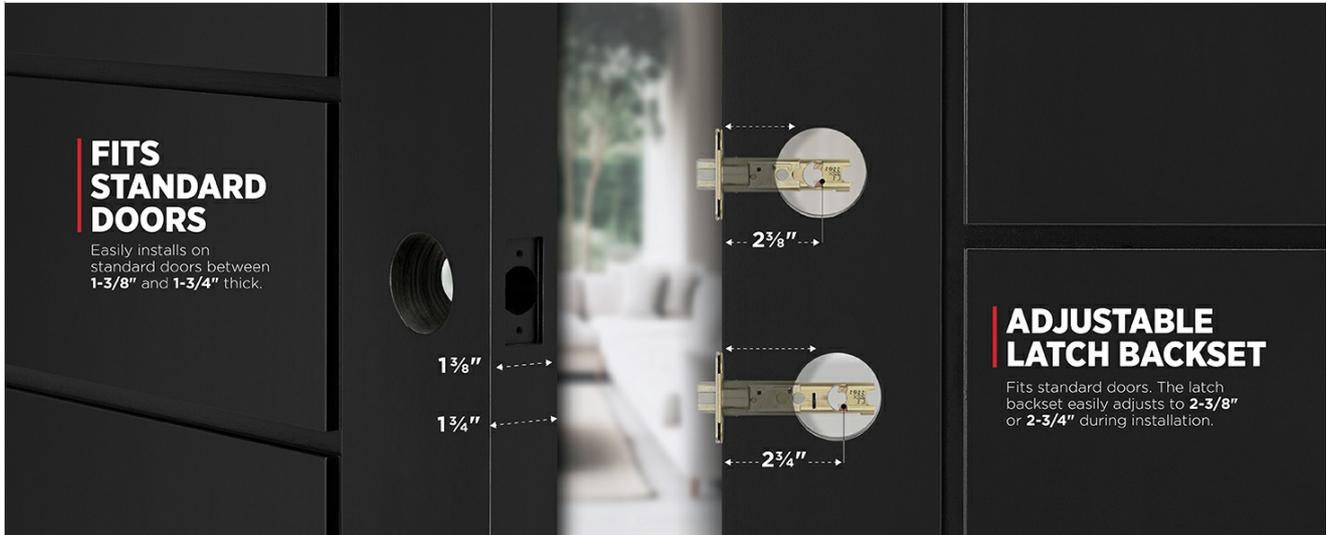


Image 3: Diagram illustrating adjustable latch backset and compatible door thickness (1-3/8" to 1-3/4").

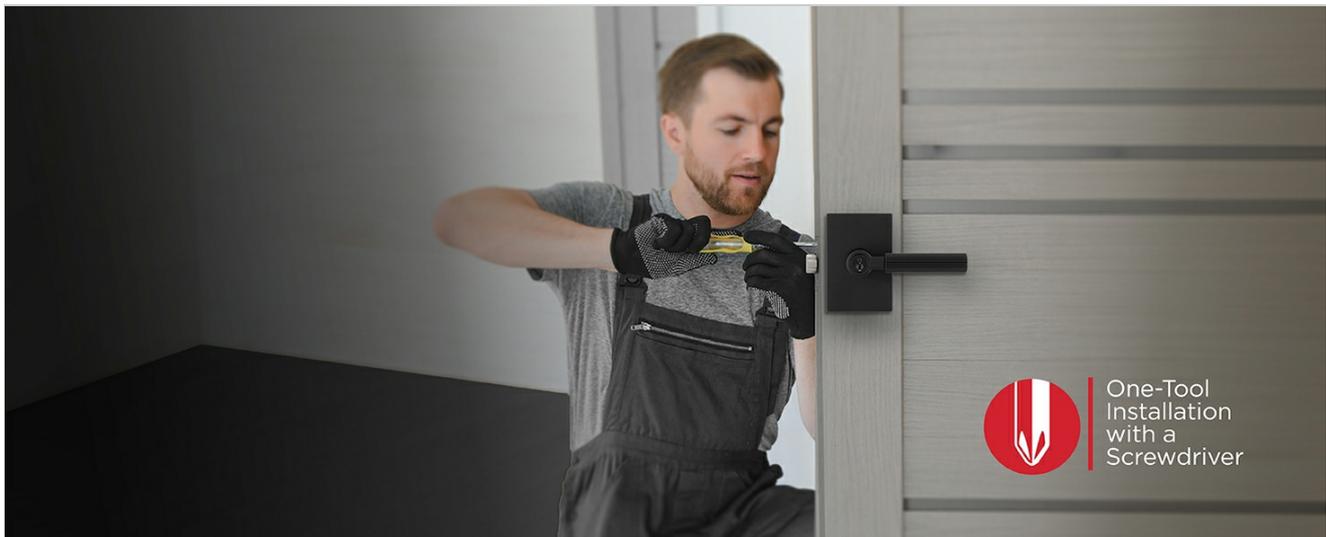


Image 4: A person installing a Kwikset lock using a screwdriver, demonstrating ease of installation.

## 4. OPERATING INSTRUCTIONS

The Kwikset 780 is a single cylinder deadbolt, meaning it is operated by a key from the exterior and a thumbturn from the interior.

- **To Lock from Exterior:** Insert the key into the keyway and turn it to extend the deadbolt. Remove the key.
- **To Unlock from Exterior:** Insert the key into the keyway and turn it to retract the deadbolt. Remove the key.
- **To Lock from Interior:** Turn the thumbturn on the interior side to extend the deadbolt.
- **To Unlock from Interior:** Turn the thumbturn on the interior side to retract the deadbolt.

## 5. SMARTKEY REKEYING INSTRUCTIONS

Kwikset's SmartKey Security allows you to rekey your lock to a new Kwikset key in seconds, without removing the lock from the door. This is useful if you lose a key, move, or want all your Kwikset locks to use the same key.

Your browser does not support the video tag.

Video 1: Official Kwikset video demonstrating the SmartKey Security rekeying process. This video explains how to rekey your lock quickly and easily.

1. **Insert Current Key:** Insert your currently working key fully into the cylinder.
2. **Turn 90 Degrees Clockwise:** Turn the key 90 degrees clockwise to the horizontal position.
3. **Insert SmartKey Reset Tool:** While holding the key in the horizontal position, insert the SmartKey Reset Tool firmly into the small hole next to the keyway. You will feel a click.
4. **Remove Current Key:** Remove the current key while keeping the reset tool inserted.
5. **Insert New Key:** Insert the new Kwikset key you wish to use fully into the cylinder.
6. **Remove Reset Tool:** Remove the SmartKey Reset Tool.
7. **Turn New Key 180 Degrees Counter-Clockwise:** Turn the new key 180 degrees counter-clockwise back to the vertical position.
8. **Test New Key:** Test the new key several times to ensure it operates the lock smoothly.



Image 5: Diagram illustrating the SmartKey Security rekeying process, showing the key and reset tool insertion points.

## 6. MAINTENANCE

To ensure the longevity and smooth operation of your Kwikset deadbolt, follow these maintenance guidelines:

- **Cleaning:** Clean the lock with a soft, damp cloth. Avoid abrasive cleaners or solvents, as these can damage the finish.
- **Lubrication:** Periodically apply a graphite-based lubricant to the keyway if the lock feels stiff. Do not use oil-based lubricants, as they can attract dirt and debris.
- **Inspection:** Regularly check all screws for tightness and ensure the deadbolt operates freely without binding.

The lock features Microban Protection, which inhibits the growth of bacteria on the surface, contributing to a cleaner product.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Key does not turn or is stiff.	Misaligned key, debris in keyway, or lack of lubrication.	Ensure the correct key is used and fully inserted. Apply graphite lubricant to the keyway.
Deadbolt does not extend/retract fully.	Misaligned latch, strike plate, or loose screws.	Check latch and strike plate alignment. Tighten all mounting screws. Ensure door frame is not warped.
SmartKey rekeying fails.	Incorrect key insertion, improper use of reset tool, or non-Kwikset key.	Ensure the current key is fully inserted and turned 90 degrees. Insert the reset tool firmly until a click is felt. Use only Kwikset keys for rekeying.

## 8. SPECIFICATIONS

- **Model Name:** 780 Deadbolt Series
- **Part Number:** 97800-222
- **Lock Type:** Single Cylinder Deadbolt
- **Material:** Metal
- **Finish:** Satin Chrome
- **Door Thickness Compatibility:** 1-3/8" to 1-3/4"
- **Adjustable Latch Backset:** 2-3/8" or 2-3/4"
- **Special Features:** SmartKey Rekey Security, Anti-Bump, Microban Protection
- **Certifications:** Grade 2 BHMA certified for Security, Durability, and Finish
- **Included Components:** Internal and External Deadbolt, Adjustable Latch, 3 Faceplates, 2 Keys
- **Item Weight:** 1.6 pounds
- **Product Dimensions:** 1.03 x 2.63 x 2.63 inches

## 9. WARRANTY AND SUPPORT

Kwikset products are backed by a limited lifetime mechanical and finish warranty, and a 1-year electronics warranty (if applicable). For detailed warranty information or technical support, please visit the official Kwikset website or contact Kwikset customer service.

**Online Support:** [www.kwikset.com/support](http://www.kwikset.com/support)

**Phone Support:** Refer to the Kwikset website for regional contact numbers.