



Updated January 2024

By: _____
Fire Code Official

KNOX GUIDE

PURPOSE

The intent of this standard is to define the South County Fire Key Access Program and to provide standards for its use and maintenance.

SCOPE

The Knox Box Program is designed to give authorized South County Fire Department personnel access to keys for the protected occupancy, whether vacant or occupied. This allows South County Fire Department personnel to quickly gain access to buildings during an emergency and prevents damage caused by forcible entry.

South County Fire requires a key access system for all occupancies in which there is a fire protection system, such as fire sprinklers, a fire alarm, special protection systems, etc., or where access and other conditions are determined to be delayed or unduly difficult. This is based on the rationale that rapid and efficient emergency operations will benefit the occupant by reducing property damage.

Knox brand is the only approved key access system for the South County Fire area of response, including the contracted cities of Brier, Edmonds, Lynnwood, and Mountlake Terrace, along with other areas of Unincorporated Snohomish County. The Knox Box program includes Knox Key Boxes, Knox Padlocks, and Knox Key Switches. In this Standard, the term Knox Box may refer to any of the three types of Knox products listed above.

AUTHORITY

This Fire Prevention Standard is created and adopted as a regulation under the authority of IFC §104.1.

REFERENCES

This document references:

1. International Fire Code 2018 edition with Washington State amendments
 - a. Section 503.5, 503.6
 - b. Section 506

DEFINITIONS

FACP – Fire Alarm Control Panel

SOUTH COUNTY FIRE – FIRE MARSHAL TEAM

12425 Meridian Avenue South, Everett, WA 98208 • (425) 551-1264 option 8 • Prevention@SouthSnoFire.org
SERVING THE CITIES OF • BRIER • EDMONDS • LYNNWOOD • MILL CREEK • MOUNTLAKE TERRACE



KNOX BOX REQUIREMENTS

A Knox Box shall be provided at the main entrance of buildings with interior common areas. An additional Knox Box shall be provided at the exterior entrance to the sprinkler riser/fire alarm control panel (FACP) rooms and other locations deemed necessary for building access. Once the Knox boxes are received, it is recommended that the contractor/owner discuss box placement with South County Fire personnel. Typically, boxes are located to the right of the main entrance door and/or Fire Alarm Control Panel/Fire Riser Room door. Boxes will be placed five to six feet (5-6') above finished grade. Multiple Knox boxes located at a single occupancy should be provided with duplicate copies of the same keys for each Knox box to avoid confusing keys belonging to different Knox boxes. Building owners should provide the following keys, depending on the requirements determined for the premises, and may include:

1. Main entrance (or Master)
2. Interior access (if no Master)
3. Fire sprinkler riser room/fire alarm control panel access
4. Electrical, mechanical, and elevator rooms
5. Fire alarm control panel/fire pull stations
6. Electronic/magnetic key cards
7. Elevator key box keys

On multiple-storied and larger buildings, additional keys may be necessary, for instance, providing roof hatch access or **sets** of keys for multiple firefighting crews.

All Knox equipment shall be installed before a Certificate of Occupancy is issued for new construction.

Existing occupancies that are undergoing fire protection system upgrades, modifications, or tenant improvements that have legacy key boxes commonly found in Edmonds, Mountlake Terrace, and Lynnwood shall be required to replace them with Knox products.

Building owners will ensure that access equipment is maintained and contact South County Fire Marshal's office where the building door locks are re-keyed or conditions for emergency access are modified.

AUTOMATICALLY OPERATED GATES IMPEDING FIRE DEPARTMENT ACCESS

Occupancies with automatic gates that obstruct fire apparatus access roads must meet the following requirements/design:

1. Must have an automatic opening feature activated by Opticom or compatible or other approved receivers that override all other opening systems.
2. Must also have an approved Knox Key Switch Model 3502, which will be located on the entrance side of the gate.
3. Must have battery back-up or be designed with a fail-safe mode allowing the gate to be pushed open without the use of special knowledge or equipment or default to the open position.



MANUALLY OPERATED GATES IMPEDING FIRE DEPARTMENT ACCESS:

In all occupancies, where approved, **manually** operated gates and barriers shall utilize Knox Padlocks Model 3781, 3782 or 3783. Approval is provided normally where conditions are such that delays in gate opening are not deemed as a priority for access urgency. Locks will need to be linked together so multiple locks will work in one application. (See example photo on following page).

FIRE DEPARTMENT CONNECTIONS (FDC) ACCESS

Locking FDC caps are required for new construction, and existing construction where problems of theft and vandalism are occurring, on a case by case basis. Contact the South County Fire Prevention Office for more information.

AUTHORIZED/REQUIRED PRODUCTS TO BE PURCHASED.

Knox Boxes

Hinged doors are required. Tamper switches are not required. South County Fire's required Knox boxes include the 3200 Series. There are 3 colors to choose from along with the installation option of recess vs surface mount.

Choices for the 3200 series include:

- Model 3261-KnoxBox 3200, Surface Mount, Hinged Door, Black
- Model 3263-KnoxBox 3200, Surface Mount, Hinged Door, Aluminum
- Model 3265-KnoxBox 3200, Surface Mount, Hinged Door, Dark Bronze
- Model 3270-KnoxBox 3200, Recess Mount, Hinged Door, Black
- Model 3272-KnoxBox 3200, Recess Mount, Hinged Door, Aluminum
- Model 3274-KnoxBox 3200, Recess Mount, Hinged Door, Dark Bronze



KnoxBox® 3200
Standard Capacity ⓘ



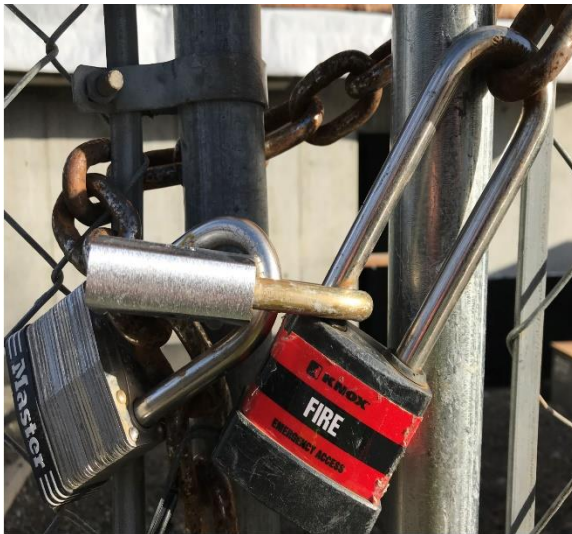
KnoxVault® 4400
Maximum Capacity ⓘ



The 3200 series boxes are required for most buildings. For buildings requiring a larger number of keys or magnetic cards etc., a 4400 series box may be required. Contact the Fire Marshal's Office with questions (see footnote for contact information).

Knox Padlocks Model 3781, 3782 or 3783

Below is a photograph of lock shanks linked together, which is required when multiple locks are needed to assist different users' access. Other model numbers are available depending on the length of shank required.



Knox Gate Key Switch Model 3502





FDC LOCKS

Model 5001 for 4" Storz FDC Fittings



Model 3111 for 2.5" Threaded FDC Fittings



Knox Remote Power Box - Model: 4505

Power Disconnect for Emergency Generators and Electric Vehicle Charging Stations





KNOX HOMEBOX™

Knox HomeBox™ provides homeowners with the same secure rapid access system that currently protects hundreds of thousands of government and commercial properties in over 14,000 fire jurisdictions across North America for over 40 years. When lives, safety and property matter, a Knox HomeBox can make all the difference.



FEATURES

- ✓ Holds 1 key
- ✓ Weather-resistant

BENEFITS

- ✓ Allows emergency responders to enter home quickly to provide medical assistance
- ✓ Reduces forced entry property damage
- ✓ Reduces risk of injury to responding personnel
- ✓ Makes re-securing property easier and faster
- ✓ Utilizes same master key system in local municipality
- ✓ One-time purchase that requires no monthly monitoring fee for end-users

OPTIONS

- ✓ Available in 3 colors: Antique White, Linen, Dove
- ✓ Mounting Options: Wall Mount (with or without faceted backplate) or Door Hanger (standard or security doors)

ORDERING SPECIFICATIONS

To insure procurement and delivery of the Knox HomeBox, it is suggested that the following specification paragraph be used:

Dimensions: 4.2"H x 2.37"W x 2.05"D

Lock: UL Listed. Double-action rotating tumblers and hardened steel pins accessed by only emergency responders.

Finish: Powder coated for weather resistance

Color: Linen, Antique White, Dove

P/N: HomeBox 1500 (mfr's cat. ID)

Mfr's Name: KNOX COMPANY

WEIGHT:

- Wall Mount (faceted backplate) - 3.90 lbs
- Wall Mount (no backplate) - 3.20 lbs
- Door Hanger (standard door) - 3.50 lbs
- Door Hanger (security door) - 3.55 lbs

DIMENSIONS:

4.2"H x 2.37"W x 2.05"D

ABOUT KNOX COMPANY

Over forty years ago, a unique concept in rapid access for emergency response was born. The KnoxBox, a high-security key lock box, was designed to provide rapid access for emergency responders to reduce response times and protect property from forced entry.

Today, one revolutionary lock box has grown into a complete system providing rapid access for public safety agencies, industries, military, and property owners across the world. The Knox Company is trusted by over 14,000 fire departments, law enforcement agencies, and governmental entities.



KNOX RESIDENTIAL BOX™

The Knox Residential Box enables residents to securely provide permanent or temporary access to house keys for emergency responders. Compatible for use in homes, gated communities and apartment complexes, Knox Residential Boxes offer unmatched convenience and assurance that medical, fire and public safety personnel can gain access rapidly and safely.

Available in 3 colors:



Door Hanger
Model #1659



Surface Mount
Model #1662

FEATURES

- ✓ Holds up to 2 keys in interior compartment
- ✓ Built Knox-Rugged and secured: UL 1037, 437, 1332, 1610
- ✓ Finished with Knox-Coat® to protect four times better than standard powder coat
- ✓ Weather-resistant door gasket

BENEFITS

- ✓ Allows emergency responders to enter property/home quickly
- ✓ Reduces forced entry property damage
- ✓ Reduces risk of injury to emergency responders and residents
- ✓ Re-securing property is easier and faster

OPTIONS

- ✓ 3 color options: Aluminum, Black, Dark Bronze
- ✓ Knox Tamper Alert connects to building's alarm system for extra security
- ✓ Mounting options: Surface mounted or door hanger for use with 1-7/8" door for temporary applications

ORDERING SPECIFICATIONS

To ensure procurement and delivery of the Knox Residential Box hinged-door model, use the following building specification paragraph:

Knox Residential Box surface or door mount. 1/4" plate steel housing, 1/4" thick steel door with interior gasket seal and stainless steel door hinge. Box and lock UL® Listed. The lock has 1/8" thick dust cover with tamper seal mounting capability.

Exterior Dimensions:

Surface mount: 4" H x 5" W x 2-3/4" D

Door hanger: 4" H x 5" W x 2-3/4" D

Lock: UL Listed. Double-action rotating tumblers and hardened steel pins accessed by a biased cut key.

Finish: Knox-Coat® proprietary finishing process

Colors: Aluminum, Black, Dark Bronze

P/N: Knox Residential Box (mfr's cat. ID)

Mfr's Name: KNOX COMPANY

WEIGHT:

Surface Mount: 6.05 lbs.

Door Hanger: 6.65 lbs.

DIMENSIONS:

Surface Mount Body: 4" H x 5" W x 2-3/4" D

Door Hanger: 4" H x 5" W x 2-3/4" D

Note: For commercial applications, see KnoxBox® 3200 or KnoxVault® 4400.





ORDERING INSTRUCTIONS

1. Type this URL into your browser www.knoxbox.com/4043
2. Then Scroll down to products
3. Select your Products
4. Fill out Information and Submit
5. South County Fire Marshal's office will receive an email for final approval prior to allowing completion of the purchase.
6. Finish the purchase of the approved product.
7. When products arrive, install them at locations noted previously on your approved drawings or in this standard. Please call if you have questions (see footnote for contact information).
8. Once installed, call the South County Fire Marshal's office to verify and a Fire Marshal will secure the box with your keys inside (see footnote for contact information).

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