



FIRE DEPARTMENT

City of REDLANDS

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COMMUNITY RISK
REDUCTION

Knox Emergency Access Standard

PURPOSE

This standard has been developed to assist development applicants, architects, contractors, and building/business owners in determining the minimum requirements for rapid, nondestructive access to the property and building during emergency situations.

CODES AND STANDARDS

Per section 506 of the 2022 California Fire Code, where access to or within a structure or an area is restricted because of secured opening(s) or where immediate access is necessary for life-saving or fire-fighting purpose, Redlands Fire Department is authorized to require a Knox key box, Knox padlock, Knox key switch or optical preemption system to be installed.

KNOX SYSTEM TYPES

General Information:

Knox boxes and similar products manufactured by Knox Company are the only type approved by Redlands Fire Department.

Knox boxes have the option for buildings that are equipped with a fire alarm system. This switch may be tied into the fire alarm system, allowing the box to be monitored thereby providing more security, however this is not required.

Required Keys: One (1) labeled key per tenant space and/or door locking applications shall be provided for installation within the Knox box. If multiple keys are required; they shall be on a key ring to keep them together. Examples of keys to be included:

1. Keys that will provide access to ALL areas of the building.
2. Rooms with fire detection and/or fire suppression equipment.
3. Keys to operate the protection equipment.
4. Elevator keys for operation and door control.
5. Appropriate codes and/or electronic key cards.
6. Fire alarm panel and manual pull station boxes.

Installation:

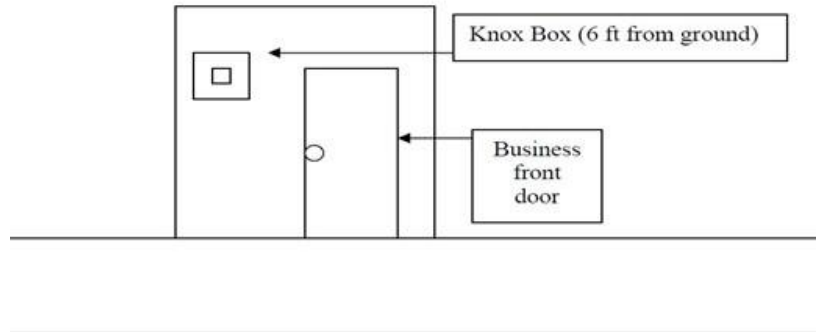
Box shall be placed within proximity of the front main doors. Additional Knox boxes may be required at other locations for large structures or where access delays warrant it.

All models (except Knox cabinet boxes) shall be mounted approximately 6 feet above finished grade to the bottom of the Knox Box, or as otherwise approved. The box shall be clearly visible and mounted in accordance with manufacturer’s recommendations.

Knox box



Mounting Location



KNOX PADLOCKS

General Information:

Knox Padlocks, and similar products manufactured by Knox Company, are the only type approved by Redlands Fire Department. A Knox Padlock is required where a chain or manual gate is being utilized.

Installation:

Verify the shackle size and that the links on the chain are large enough to allow the padlock shackle to pass through.

How to utilize two padlocks – One standard lock and one Knox Padlock can be hooked together as indicated on the diagram above. This will allow access for both the owner and Fire Department.



APPROVED PADLOCK INSTALLATION



Knox™ Padlock
(Keyed for Fire Department access)

Standard Padlock
(Keyed for owner's access)

KNOX KEY SWITCH

General Information:

Knox Key Switches, and similar products manufactured by Knox Company, are the only type approved by Redlands Fire Department. A Knox Key Switch is required on all electronic gates and is the only application for this use.

Installation:

A licensed gate contractor shall install Knox Switches. Upon actuation of the Knox Key Switch, the gate shall open, along with any additional swing arms. The gate and swing arm shall stay in the open position until the key switch is put back into normal operating position by the Fire Department.



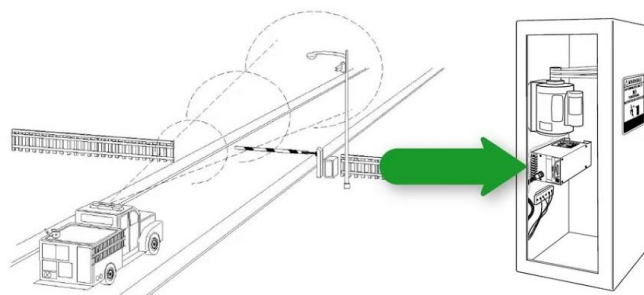
Optical Preemption System

General Information:

Optical preemption systems for emergency vehicles, such as fire engines, use optical signals to control traffic signals and gates, providing them with a clear and uninterrupted path. These systems detect the emergency vehicle's signal, typically a strobe or infrared light, and change the traffic lights or open gates to allow the vehicle to pass through safely and quickly, thereby reducing response times and enhancing safety for both emergency responders and the public.

Installation:

A licensed contractor shall install optical preemption systems. Upon actuation of system, the gate shall open, along with any additional swing arms. The gate and swing arm shall stay in the open position until the key switch is put back into normal operating position by the Fire Department.



HOW TO ORDER KNOX SYSTEMS

Ordering Online (Copied from the Knox website)

To purchase product on the Knox website, click on the red 'BUY' button and follow the prompts. Depending on the installation address of your Knox product purchase, you will either purchase your products directly from the website on your first visit, be asked to return to the site to complete your transaction once your approving public safety agency has reviewed your product selection or, you will be asked to obtain and submit a Knox Authorization Order form directly to that same approving agency.

Follow these simple steps:

1. Click on BUY button
2. Type in local Emergency Responder servicing the installation location OR enter installation address where product will be installed.
3. Choose the correct Emergency Responder. Otherwise, begin your buying selection process.
4. Choose product, add to cart and confirm installation address.
5. Complete the checkout process.

Note: Some Emergency Response Agencies require pre-authorization of your order prior to the sale.

Note: RFD anticipates transitioning to electronic eLock systems in January of 2025.