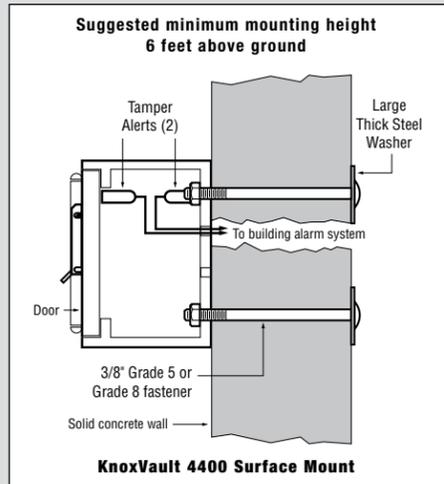# MOUNTING INSTRUCTIONS – KNOXVAULT™ 4400

Installation of this product should be performed only by individuals skilled in the use of the tools and equipment necessary for installation. If you have any doubt concerning your competence or expertise, consult a qualified expert to perform the installation.

Surface Mounted Models

Surface models are designed for mounting on a flat wall. Do not mount face down from ceiling or overhang area. When the KnoxVault model includes the Tamper Alert, set the Tamper Alert aside until the box is mounted on the wall. Check to see that the "box to wall" tamper plunger is properly depressed. If switch plunger does not properly depress, adjust the screw on the plunger for the proper length.
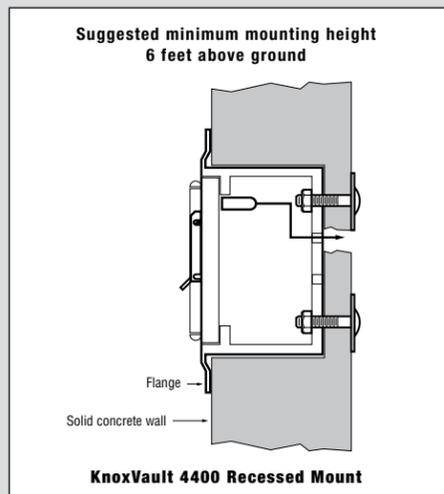
Suggested minimum mounting height 6 feet above ground

Tamper Alerts (2)
Large Thick Steel Washer
To building alarm system
Door
3/8" Grade 5 or Grade 8 fastener
Solid concrete wall

KnoxVault 4400 Surface Mount

Recess Mounted Models

Recess models are designed for flush mounting. Do not mount face down from ceiling or overhang area. Units can be adapted to fit a variety of solid walls or in a concrete wall. A Recess Mounting Kit is recommended for concrete or masonry walls under construction. Do not over tighten mounting bolts as this will distort the flange.
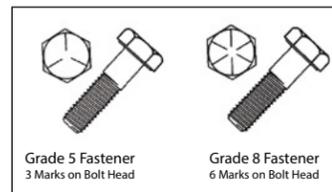
Set the Tamper Alert aside until the box is flush mounted. Do not allow the top right mounting bolt to extend too far into the box so as to interfere with the door tamper alert. Wiring should be pulled tight so that attempts to force the box out of the wall will break the wire or pull the terminals loose. If installing the box on a thin or hollow wall, use a solid backing (like 3/8" steel plate fastened to solid studs on both sides) for secure mounting. Mounting to solid studs or steel support is always required. Alarm wiring/testing should be performed by a qualified alarm installer.

Suggested minimum mounting height 6 feet above ground

Flange
Solid concrete wall

KnoxVault 4400 Recessed Mount

General Mounting Instructions

1 Always mount your KnoxVault to a secure, solid wall, beam or post. A six foot height level is recommended to resist vandalism.

2 Use a small level to plumb the vault square.

3 Mount the KnoxVault so the small moisture drain hole inside of the vault is on the bottom.

4 Use at least four (4) Grade 5 or Grade 8 fasteners (carriage bolts, etc.) of 3/8" diameter. Units may also be welded into place. Mounting to solid beams or steel supports is best. Mounting face down from ceiling or overhang area may cause contents to jam lock.

Grade 5 Fastener
3 Marks on Bolt Head

Grade 8 Fastener
6 Marks on Bolt Head

5 Caulk the sides and the top between the wall and the box for water proofing. Leave the bottom open for drainage. Be sure that the drain hole on the inside of the KnoxVault is clear of any debris that could obstruct it.

6 Use of a professional locksmith or alarm products installer is highly recommended.

Important: When mounting of the KnoxVault is complete, contact your local fire department to inform them the box is ready for lock up. They have the only key.
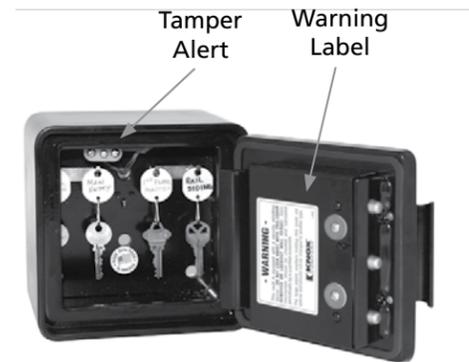
For private, industrial or commercial use: keys will be sent separately to address requested.

Door Removal and Adjustment: If door must be removed, remove only the top and bottom hinge pin screws. Do not remove the three hinge bracket screws as these are factory set for proper door alignment. When replacing the door, adjust hinge pin screws loose enough so that door swings freely. Thread locker (LOCTITE) must be used on hinge pin screws.
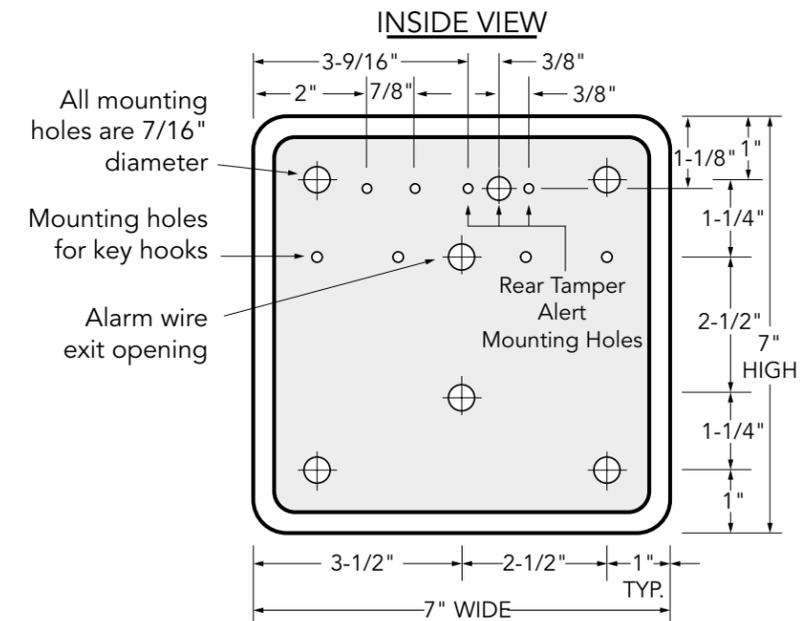
HINGED DOOR MODELS

Dust Cover
Hinge

KnoxVault 4400 Recessed

Tamper Alert
Warning Label

KnoxVault 4400 Surface Mount with Tamper Alert

INSIDE VIEW

All mounting holes are 7/16" diameter
Mounting holes for key hooks
Alarm wire exit opening
Rear Tamper Alert Mounting Holes

3-9/16"
2"
7/8"
3/8"
3/8"
1-1/8"
1"
1-1/4"
2-1/2"
7" HIGH
1-1/4"
1"

3-1/2"
2-1/2"
1" TYP.
7" WIDE

All KnoxVault 4400s are fully tested and listed by Underwriters Laboratories as anti-theft devices. Alarm tamper alerts are UL listed as Central Station Alarm Units. UL Electrical Range: Max Voltage of 24 VDC at 50 mA.
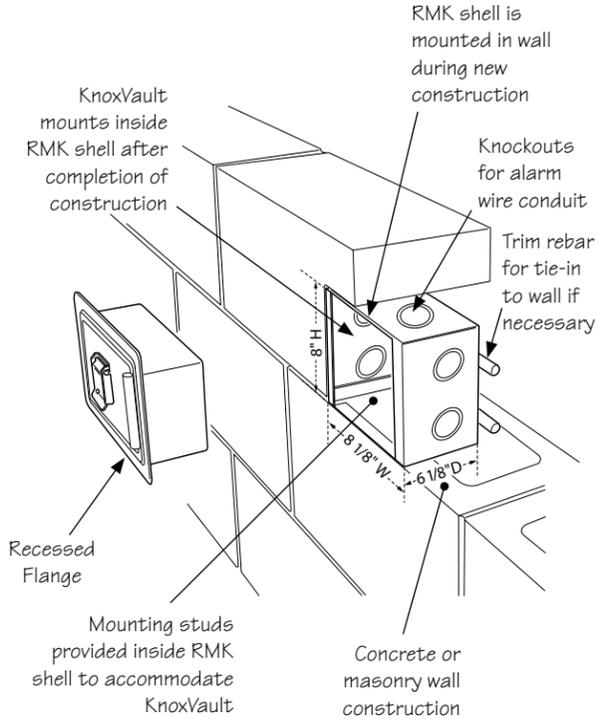
RECESSED MOUNTING USING RECESS MOUNTING KIT (RMK)

The optional Recess Mounting Kit is for use in new concrete or masonry construction only. The kit includes a shell housing and mounting hardware to be cast-in-place. The KnoxVault 4400 is mounted into the shell housing after construction is completed.
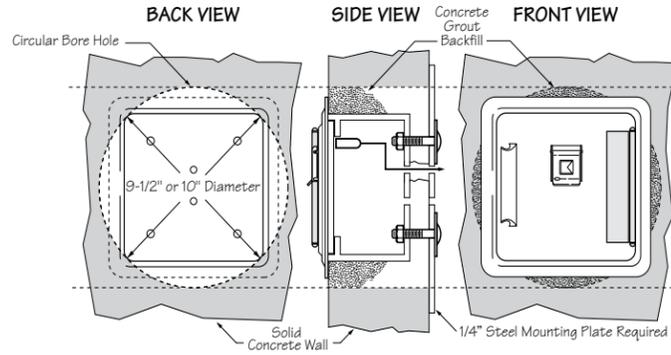
Rough-in Dimensions: 8 1/2"H x 8 1/2"W x 7"D

Installation: Mounting kit may be fastened to inside wall of a concrete form or set in place during masonry wall construction. Wiring conduit may be connected through knock-out hole(s) in the shell housing.

IMPORTANT: Take care to make sure that the front of the shell housing, including the cover plate and screw heads, are flush with the finish wall. Leave cover and screws in place until the KnoxVault is ready for mounting inside. The four (4) mounting studs may be replaced with Grade 5 or Grade 8 bolts or longer studs if required. Two (2) long sheet metal screws are provided for attachment of shell housing to the inside of a concrete form. With the housing held firmly in place, drill two (2) 1/8" holes through the form wall and the housing front cover. Insert screws and pull housing tight against form wall. Remove screws before removing form.

KnoxVault mounts inside RMK shell after completion of construction

RMK shell is mounted in wall during new construction

Knockouts for alarm wire conduit

Trim rebar for tie-in to wall if necessary

Recessed Flange

Mounting studs provided inside RMK shell to accommodate KnoxVault

Concrete or masonry wall construction

Recessed Mounting in Solid Concrete Wall

1. Bore 9-1/2" or 10" diameter hole through solid wall.
2. Install KnoxVault per General Mounting Instructions, including steel mounting plate.
3. Install electrical wiring if required.
4. Grout-in visible hole on all four sides of KnoxVault.
5. Patch exterior paint if needed.

BACK VIEW | SIDE VIEW | FRONT VIEW

Circular Bore Hole

Concrete Grout Backfill

9-1/2" or 10" Diameter

Solid Concrete Wall

1/4" Steel Mounting Plate Required

The KnoxVault 4400 is a heavy-duty, high-security key vault that stores building keys, access cards and floor plans for emergency entry. Each key vault is coated with the Knox-Coat® proprietary finishing process* and includes a 1/8" thick stainless steel dust cover to protect the lock. For maximum security, mount the unit properly in an area sheltered from excessive moisture. All keys stored in the unit must be hung on the key hooks supplied inside.

* Knox-Coat is a proprietary finishing process that protects Knox products up to four times better than standard powder coat.

STOP WARNING ⚠

Read all instructions carefully before beginning installation. This unit must be installed by a qualified installer and in accordance with applicable local codes and ordinances that govern this type of equipment. Failure to properly mount the device per the installation instructions will compromise the security of the device. The KnoxVault 4400 is an inherently strong device with many security features designed into the unit. However, careless installation with inadequate fasteners, flimsy mounting surfaces or improper mounting height can result in a security failure of the unit. Knox highly recommends that the device tamper alert be connected to the building's burglar alarm system for the highest level of security.

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MOUNTING INSTRUCTIONS

KnoxVault™ 4400

Issue Date: December 2017

KNOX® *When seconds matter™*

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