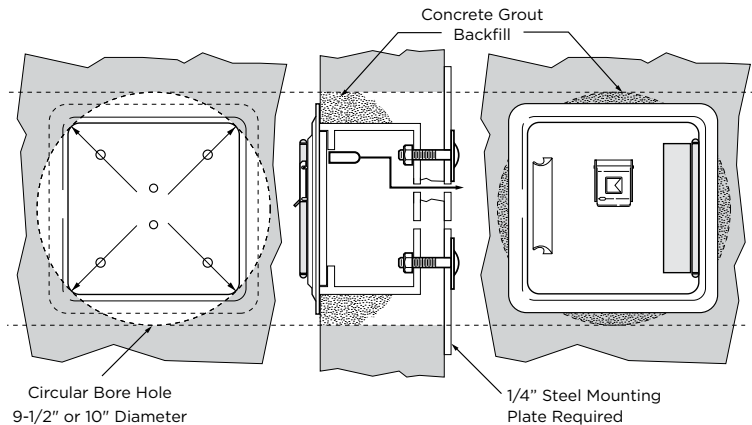


Recess Mount Models



Recessed Mounting in Solid Concrete Wall

RECESS MOUNT MODELS

When recess mounting to a stud wall, the interior wall must be reinforced across two studs using thick plywood and steel backplate.

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. Due to its depth, there is NO RECESSED MOUNTING KIT available for the Knox Remote Power Box. Do NOT over tighten mounting bolts as this will distort the flange.

When the Knox Remote Power Box includes a Tamper Alert, set the Tamper Alert aside until the Knox Remote Power Box is flush mounted. Wiring should be pulled tight so that any attempts to force the Knox Remote Power Box out of the wall will break the wire or pull the terminals loose. If installing the Knox Remote Power Box on a thin or hollow wall, use a solid backing (1-1/8" plywood or 1/4" 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.

RECESSED MOUNTING IN SOLID CONCRETE WALL

1. Bore 10" diameter hole through solid wall.
2. Install the Knox Remote Power Box per the diagram to the left, including electrical conduit and steel backup plate.
3. Install electrical wiring.
4. Force grout through visible voids on all four sides of Knox Remote Power Box flange with grout bag.
5. Patch exterior paint if needed.

BOX LOCKUP:

When mounting of the Knox Remote Power Box is complete, contact your local Fire Department to inform them the box is ready for lock up. **They have the only key to lock the box.**

For private, industrial or commercial use:
Keys will be sent separately to address requested.

	All Knox Remote Power Boxes are fully tested and listed by Underwriters Laboratories as anti-theft devices. Alarm Tamper Alert switches are listed as Central Station Alarm Units. UL Electrical Range: Max Voltage of 24 VDC at 50 mA.
UL 437	Standard for Safety for Key Locks
UL 508	Industrial Control Equipment
UL 1037	Antitheft Alarms and Devices
UL 1332	Organic Coatings for Steel Enclosures for Outdoor Use Electrical Equipment
UL 1610	Central Station Alarm Units

This box is protected by **KNOX-COAT**
Four times better than standard powder coat.

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

Electrical Ratings:
Main Switch: 24-480 VAC, 125VA MAX, PILOT DUTY, PER CONTACT BLOCK
Two contact blocks per switch: Double Pole, Double Throw (DPDT)
Tamper Alert: 24 VDC, 50 mA, general use
Use .75°C wire only
Enclosure Rating: Type 2, 3R
Ambient Air Temp Rating: -40° C to +65° C
-40° F to +149° F



KNOX REMOTE POWER BOX[®] MOUNTING INSTRUCTIONS

- Always turn off power at the breaker when assembling or disassembling the Knox Remote Power Box. Installation and maintenance involving the circuit and any other accessory attached to the circuit must be performed by a licensed commercial electrician. The complete electrical system should be installed, tested and approved by a licensed commercial electrician before it is placed in operation.
- The recommendations and information contained in these instructions are based on Knox Company experience and judgment, but should not be considered to be all-inclusive or covering every application or circumstance which may arise. If any questions arise, contact Knox Company at (800) 552-5669 for further information or instructions.

STOP WARNING - IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of fire, electric shock, serious injury or death:

- The Knox Remote Power Box must be installed, operated, and maintained by qualified persons who are thoroughly trained and who understand any hazards that may be involved. This publication is written only for such qualified persons and is not intended to be a substitute for adequate training and experience in safety procedures for this type of product. Knox company is not liable for the misapplication or misinstallation of its products.
- User is cautioned to observe all recommendations, warnings, and cautions relating to the safety of personnel and equipment, as well as all general and local health and safety laws, codes and procedures.



KNOX REMOTE POWER BOX[®] MOUNTING INSTRUCTIONS



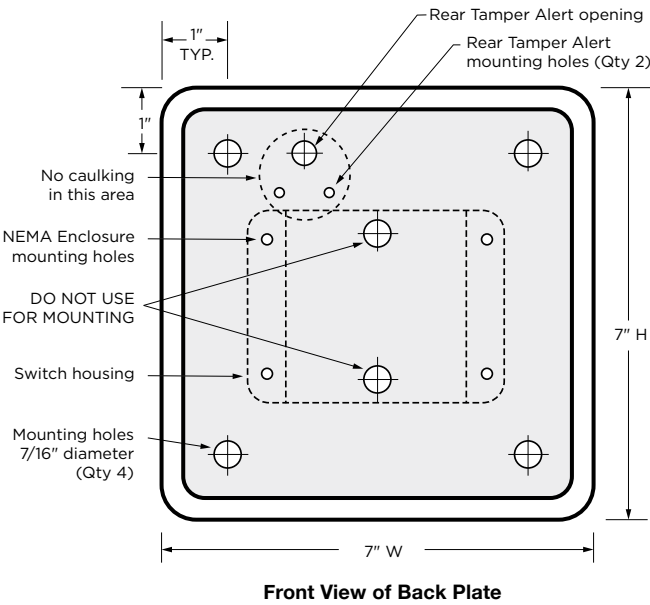
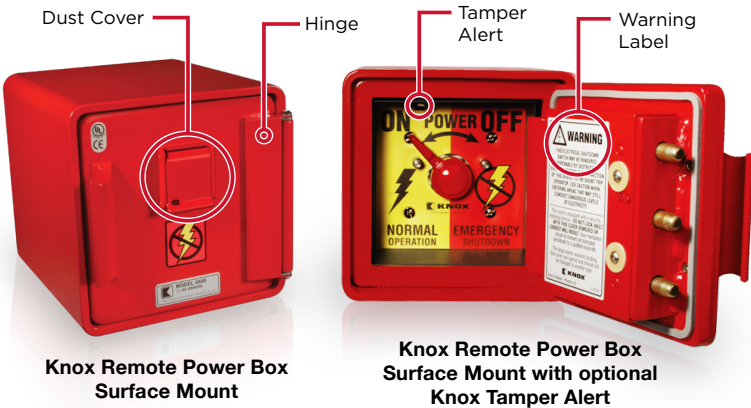
63 S HAMILTON PL, GILBERT, AZ 85233 | P: (480) 464-0509
KNOXBOX@METROFIREANDSECURITY.COM | METROFIREANDSECURITY.COM



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KNOX REMOTE POWER BOX®

MOUNTING INSTRUCTIONS



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 (such as Loctite®) must be used on hinge pin screws.

NOTE:

Suggested minimum mounting height: 6' above ground

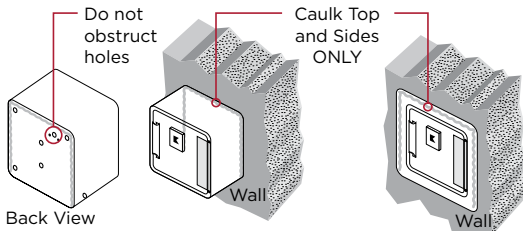
ATTENTION:

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.

GENERAL MOUNTING INSTRUCTIONS

1. Always mount your Knox Remote Power Box 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 power box square.
3. Position the Knox Remote Power Box with green mounting markers pointed up with the hinge on the right hand side to allow for proper drainage. Remove the green markers after installation.
4. Use 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 studs or steel supports is required. Avoid mounting face down from ceiling or overhang area.
5. Be sure to caulk the sides and the top between the wall and the Remote Power Box for waterproofing. Use commercial 100% silicone caulk with a typical bead thickness of 1/4". Leave the bottom open for drainage.

Caulking Diagram



Surface Mount

Caulk back of power box across top and down sides, leaving the bottom open. Be careful not to obstruct the 3 Tamper Alert wiring holes on surface mount models.

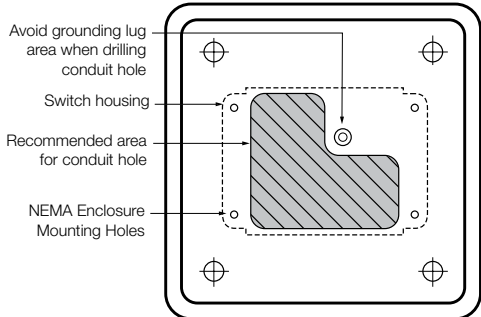
Recess Mount

Caulk back of flange across top and down both sides before tightening permanently to wall.

6. Use of a licensed commercial electrician for Remote Power Box mounting and electrical installation is required. Raintight or wet location (rigid) conduit and hubs must be used.
7. The Knox Remote Power Box will need to be disassembled for mounting. Once Knox Remote Power Box has been properly mounted to a wall, re-assemble unit in reverse order being sure that electrical for both the shutdown switch and Tamper Alert have been properly installed and tested.
8. Tamper Alert leads and field wiring conductors must be routed separately unless they are both insulated for the maximum voltage involved in either circuit.

CAUTION!

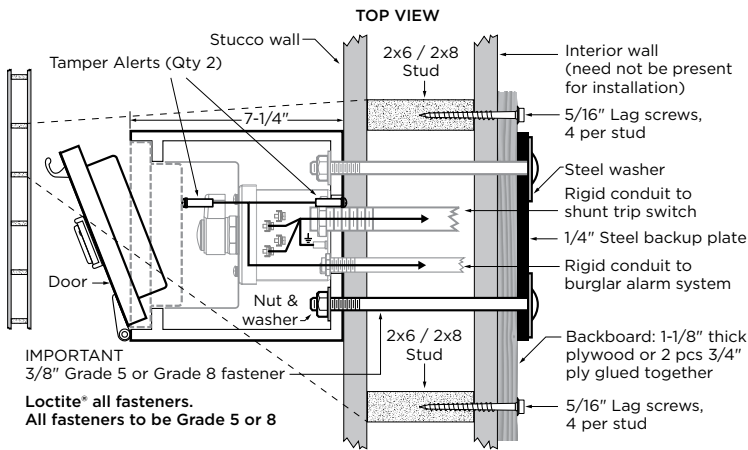
The Knox Remote Power Box door is equipped with a security re-locking device. Do NOT lock power box with the lock mechanism cover removed or lockout will result. The large plastic washers holding this cover are special and must not be changed to another type.



Conduit Hole Drilling Location

NOTE:

Conduit hole is to be drilled by a qualified, licensed commercial electrician making sure all National and Local Codes are met. Conduit hole should be drilled so that Tamper Alert, mounting screws and grounding lug are not compromised. Use only raintight or wet location conduit and hubs.



Surface Mount Models

DISASSEMBLY AND CONDUIT HOLE INSTRUCTIONS

1. Using a 1-3/8" crescent or adjustable wrench, remove the red selector knob by removing the octagonal lock nut from directly behind the knob.
2. Using a screwdriver, remove the four (4) mounting screws and nylon washers from the power on/off label area.
3. Remove metal encasement which contains the electrical switch and NEMA box cover, being careful not to damage the door Tamper Alert assembly located in the upper slot-area of the encasement.
4. Using an Allen wrench, remove the four (4) mounting bolts for the NEMA electrical enclosure. (Long T-handle Allen wrench recommended).
5. Using a Phillips screwdriver, remove the Tamper Alert assembly.

SURFACE MOUNT MODELS

The Knox Remote Power Box is 7-1/4" deep and weighs 31 lbs. When surface mounting to a stud wall, the interior wall must be reinforced across two (2) studs using thick plywood and a steel backup plate.

Surface models are designed for mounting on a flat wall. Do NOT mount face down from ceiling or overhang area. When the Knox Remote Power Box includes Tamper Alerts, set the Tamper Alerts aside until the Knox Remote Power Box is mounted on the wall. Check to see that the power box to wall Tamper Alert plunger is properly depressed. If it does NOT properly depress, adjust the screw on the plunger for the proper length.

If installing on a thin or hollow wall, use a solid backing (1-1/8" plywood or 1/4" steel plate fastened to solid studs on both sides) to properly reinforce for secure mounting. Mounting to solid studs or steel support is required. Alarm wiring/testing should be performed by a qualified alarm installer.