Knox-Vault® 4100 Series
TAMPER SWITCH INSTALLATION INSTRUCTION

1. The Knox-Vault® tamper switch is designed to be connected to an existing alarm system and should be installed only by a qualified alarm technician.
2. Position Knox-Vault on wall so wires from alarm panel protrude into box through hole (A) in back plate. See figures 1, 2 & 3.
3. Bolt Knox-Vault to wall, following directions provided in mounting instructions

   Important: Keep tamper switch hole (B) clear of caulk, debris or other foreign material, otherwise tamper switch may not operate.
4. **Recessed Mount Knox-Vault** uses door tamper switch only, therefore the **rear tamper** switch is **omitted**. To install tamper switch assembly: Align tamper switch mounting holes with threaded holes in back plate. Insert and tighten two tamper switch mounting screws provided. (See figures 1 and 2).

   Surface Mount Knox-Vault: Align rear tamper switch plunger with hole (B) in back plate, as shown in figure 1. Check length of plunger and, if necessary, adjust plunger screw to give proper travel. Check plunger contact by GENTLY pressing the bracket flush against the back plate. **CAUTION:** If the rear tamper switch adjustment screw protrudes too far, the rear tamper switch will break when bracket is tightened. Use of an ohm meter is recommended to assure that switch trips (0 ohms – for red/green wire, open for yellow wire) when bracket is GENTLY pushed flush against the back plate. Secure tamper switch to back plate with screws provided.
5. Connect tamper switch wires to building alarm. Alarm wiring must be pulled back though the Alarm Wire Opening (A) to prevent interference with the lock mechanism. Green and Red wires must be secured tightly so that if box is removed, wires will be broken in the process, thereby causing alarm activation. Yellow wires should be loosely secured so that if box is removed the wire can pull out about an inch to allow rear switch to close and cause an alarm before wires break.

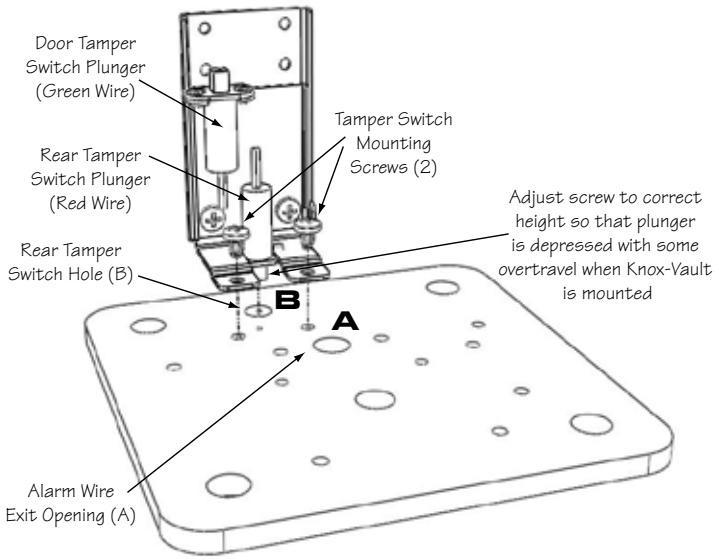


Figure 1
(Backplate and Door Frame shown without Housing for Clarity)

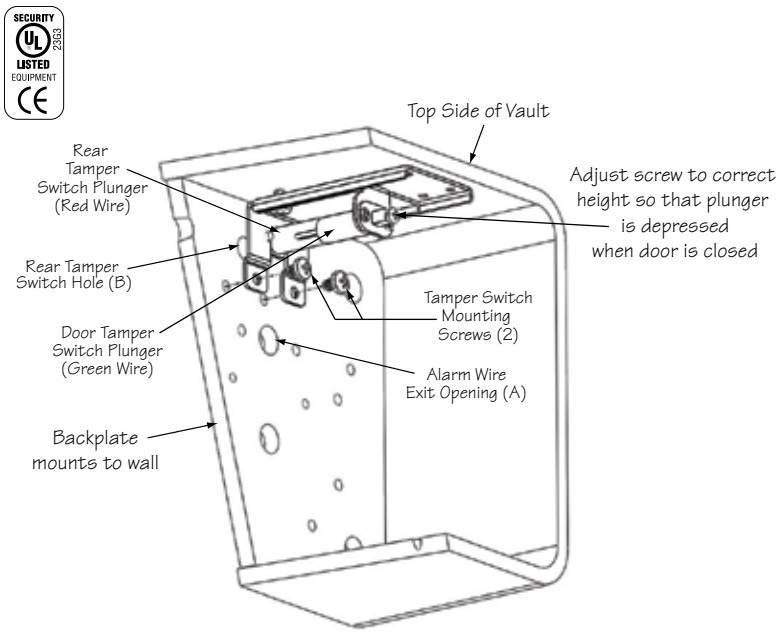


Figure 2
(Housing cut-away and Door Frame removed for clarity)

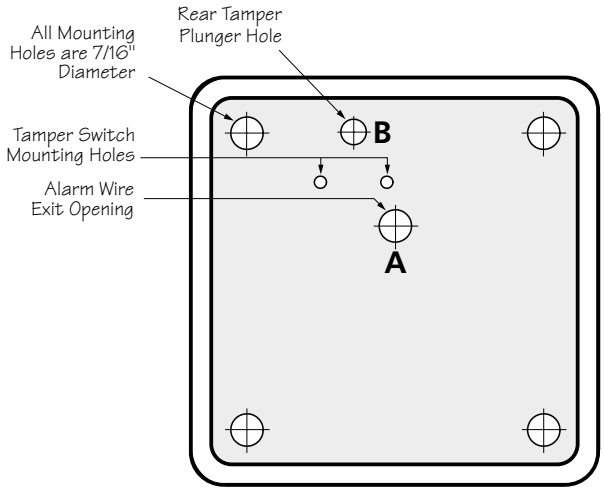
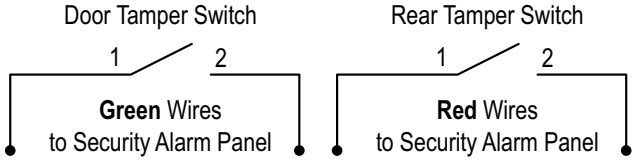


Figure 3 – Inside View of Backplate

Wiring Diagram



NOTES:

A) Electrical: maximum 24V, 50mA.

B) Red and Green wires indicate Normally Open Switch (Closed when Knox-Vault is secure)

C) Yellow wires indicate Normally Closed Switch (Open when Knox-Vault is secure)

KNOX COMPANY • 1601 W. Deer Valley Road, Phoenix, AZ 85027 • (800) 552-5669 • (623) 687-2300 • Fax (623) 687-2299 • Web: www.knoxbox.com • E-mail: info@knoxbox.com

4100 TAMPER SW

TAMPER SWITCH INSTALLATION INSTRUCTIONS

4100 Series
KNOX-VAULT®

Issue Date: October, 2009

KNOX®
Serving Fire Departments Since 1975

1601 W. Deer Valley Road
Phoenix, AZ 85027
800-552-5669 • Fax 623-687-2299
E-mail: info@knoxbox.com

4100 TAMPER SW

TAMPER SWITCH INSTALLATION INSTRUCTIONS

4100 Series
KNOX-VAULT®

Issue Date: October, 2009

KNOX®
Serving Fire Departments Since 1975

1601 W. Deer Valley Road
Phoenix, AZ 85027
800-552-5669 • Fax 623-687-2299
E-mail: info@knoxbox.com

OPE-KBSPEC-0135-B