



ArchiTech™ by Networkx™

FOR CYLINDRICAL LOCKS USING SURFACE-MOUNTED NETWORKX CONTROL UNITS MOUNTING AND INSTALLATION INSTRUCTIONS

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WI2104C 04/17

DESCRIPTION

These instructions detail the hardware installation procedure for the ArchiTech **cylindrical door locks** using the **Surface-Mounted Networkx Control Units** for hollow metal and solid wood doors.

Installation instructions for the **Door Contact Sensor**, **Door Contact Magnet** (installed in the door jamb), **Wiring Plate**, **Spacer** and the **Oval and Rectangular Proximity Readers** are also included.

PARTS OVERVIEW

For reference, the images in Fig. A display each component (not to scale). In addition to the various screws and templates included with your lock, please note that one of two types of **Proximity Readers** are included, either **Oval** or **Rectangular**. In addition, one of two types of **Door Contact Magnets** (installed in door jamb) are included, either 3/8" or 3/4" diameter.

Wires for the **Door Contact Sensor**, **Proximity Reader** and **Cylindrical Lock** motor are routed through the door and are plugged into the rear of the **Surface-Mounted Networkx Control Unit**, mounted on the inside ("protected") door surface.

The **Cylindrical Lock Motor Wire** can be routed within hollow metal doors; with solid wood doors, this **Cylindrical Lock Motor Wire** can be routed on the door surface but behind a **Wiring Plate** (HW1945), or an optional **Cylindrical Drill Jig** (part #N90S1DJ) is available to allow a hole to be drilled allowing this wire to be routed through the solid wood door. If the **Cylindrical Lock Motor Wire** is routed through the metal or wood door and you do not wish to use the large **Wiring Plate** (HW1945), you **MUST** use the **Spacer** (part 1904ARC) when installing the cylindrical lock.

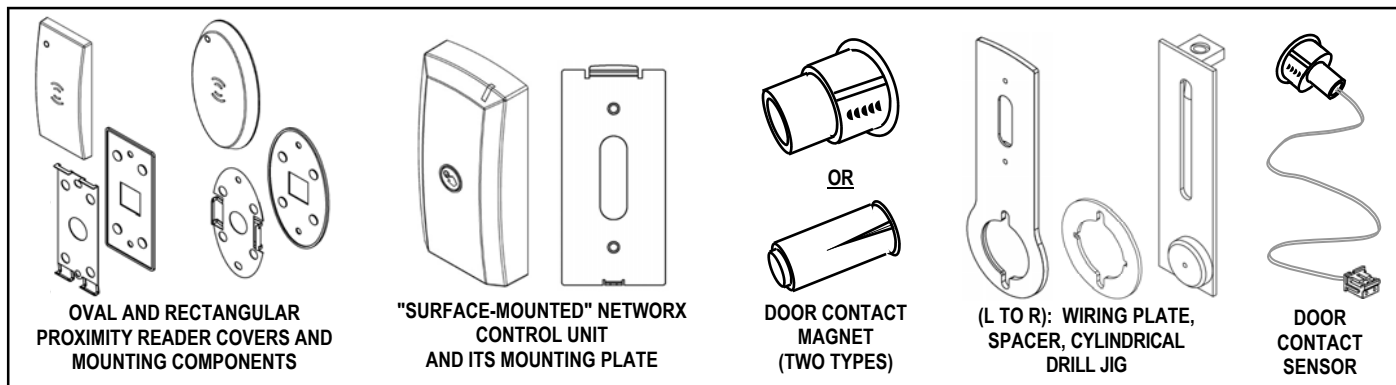


FIG. A: OVERVIEW OF BASIC PARTS (NOT TO SCALE)

REQUIRED TOOLS

In addition to the standard door prep kit tools used to install a cylindrical lock into a metal or wood door (standard ASA 161 door prep cross-bore hole saws, Phillips and flat head screwdrivers, etc.), you will need: A small **level**, and the following drill bit sizes: **1/2**, **5/8"**, **3/8"**, **3/4"** and **7/64"**. If the **Cylindrical Drill Jig** (part #N90S1DJ) is used, a **round or circular file** is needed to remove burrs in holes and to file a pathway groove in wooden doors for the **Cylindrical Lock Motor Wire**.

IMPORTANT: For installation on UL Listed Wood Fire Doors, fill the through hole wire passage with UL Classified Fire Stop Sealant after connecting all wiring and testing the Lock.

DOOR PREP: INITIAL STEPS

1. INSPECT THE DOOR BEVEL

Inspect the door for a bevel and, if beveled, determine which side is "longer" in width and which side is "shorter" in width (see "top view" example in Fig. 1). For beveled doors, be sure to use the correct marks printed on the template for the correct length of the outside door surface (either the "long" or "short" side of the door).

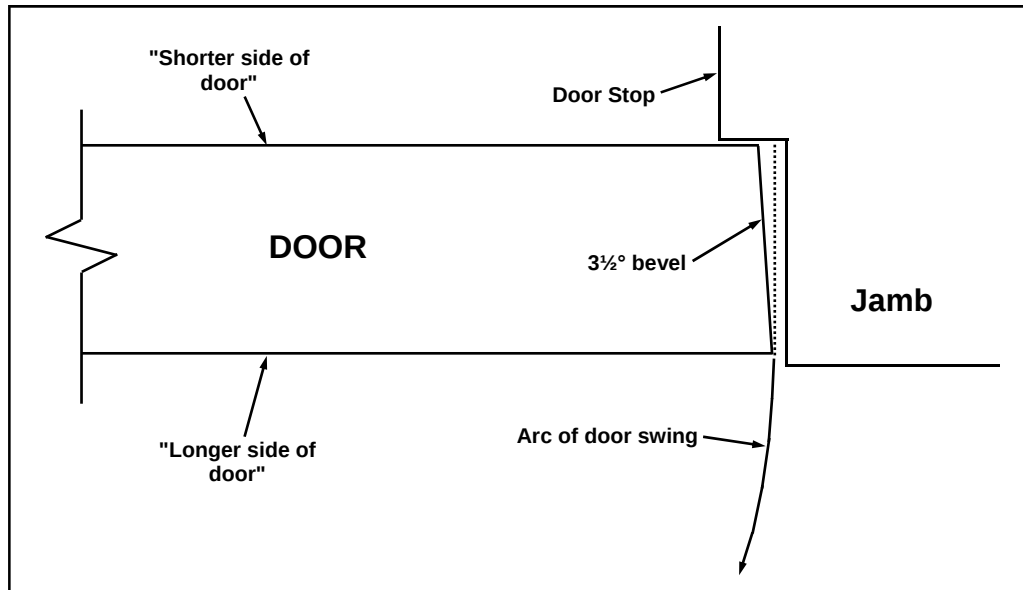


FIG. 1: EXAMPLE OF BEVELED DOOR (TOP VIEW)

2. PREP DOOR FOR CYLINDRICAL LOCK

If not done already, use standard door prep kit tools and the instructions included with the cylindrical lock to prep the door and door jamb as required (standard ASA 161 door prep). These include the 5/16" and 2-1/8" thru-holes, the 1" latch hole and mortising the door edge for the latch plate and mortising the door jamb for the strike plate.

Do not install the lock hardware yet.

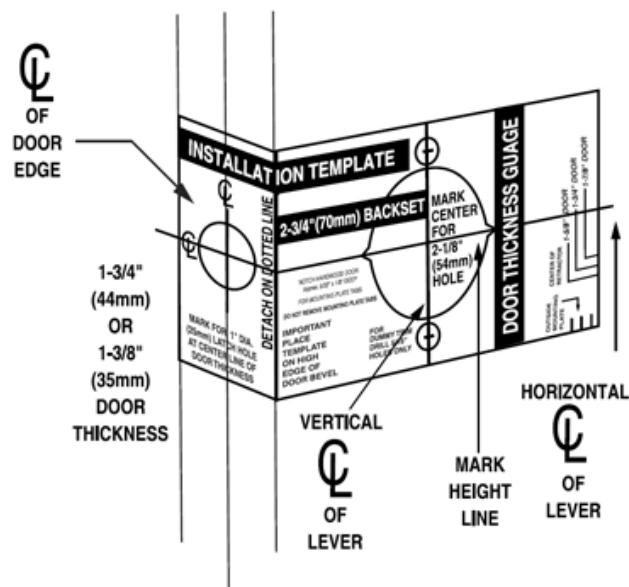


FIG. 2: USE TEMPLATE PROVIDED

3. TAPE ON DOOR: "PROXIMITY READER" TEMPLATE (WI2098 FOR SOLID WOOD DOORS, OR WI2155 FOR HOLLOW METAL DOORS)

Remember, the **Proximity Reader** is always located on the outside ("unprotected" side) door surface.

Fold and place the template on the **outside door edge** (see arrow in Fig. 3 for an example). Align the template with the **"HORIZONTAL CENTER LINE OF LEVER"** as shown on the template. Tape the template in place.

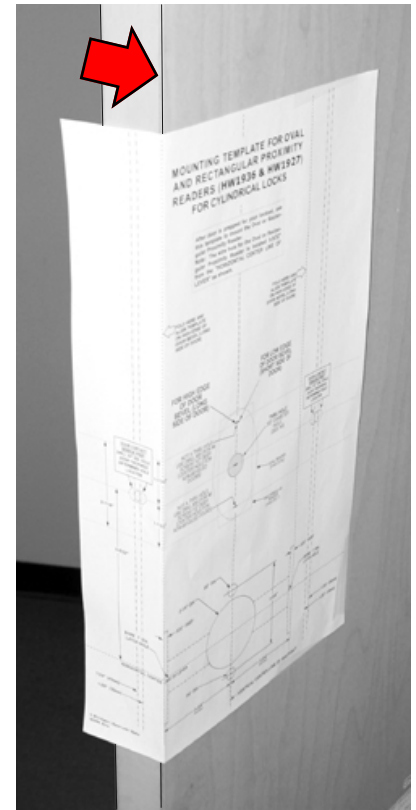


FIG. 3: EXAMPLE OF OUTSIDE DOOR EDGE (ARROW)

4. MARK TEMPLATE "PROXIMITY READER" HOLES

On the outside door surface, mark the two holes for the **Proximity Reader** mounting screws.

Mark the hole used for the **Proximity Reader** wires. This hole will be a 1/2" NON thru-hole for fire rated metal doors (see template WI2155) and will be a 5/8" thru-hole for solid wood doors (see template WI2098).

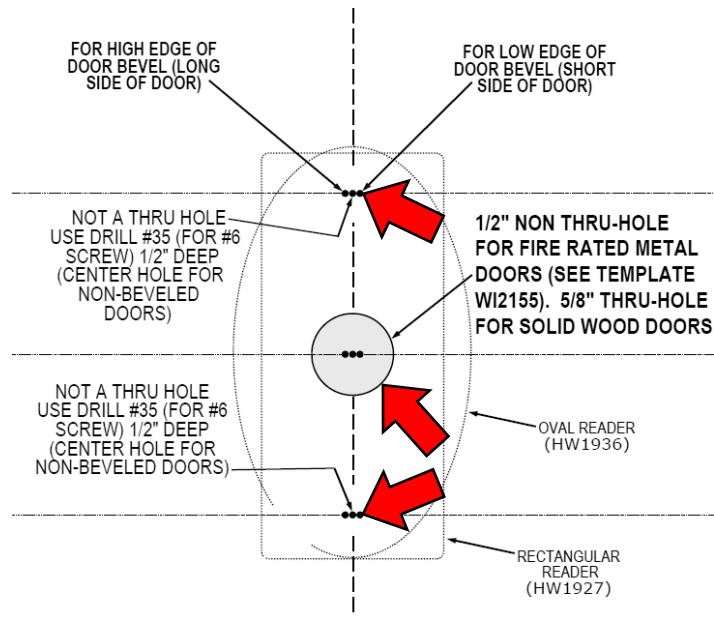


FIG. 4. CLOSE UP OF WI2098 TEMPLATE FOR THE "PROXIMITY READER"

5. TAPE ON DOOR: "SURFACE-MOUNTED NETWORKX CONTROL UNIT" TEMPLATE (WI2099)

The **Surface-Mounted Networkx Control Unit** (see Fig. A on page 1) is always mounted on the inside ("protected") door surface.

Fold and place the template (WI2099) on the **inside door edge**. Align the template with the "**HORIZONTAL CENTER LINE OF LEVER**" and the 5/8" diameter hole as shown on the template. Tape the template in place.

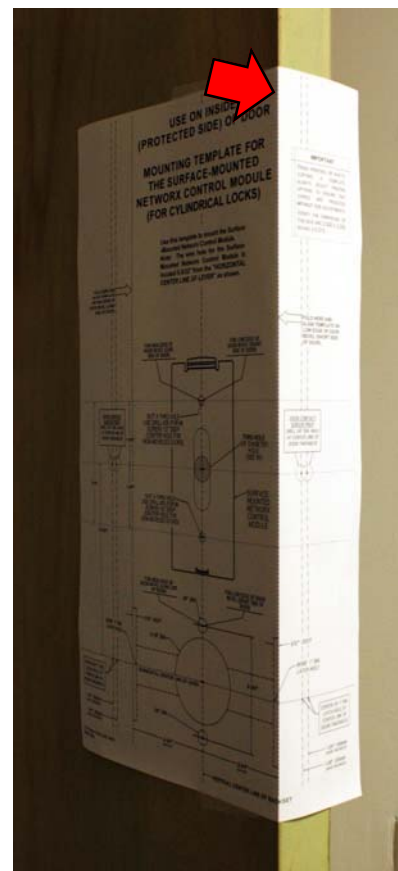


FIG. 5: EXAMPLE OF INSIDE DOOR EDGE (ARROW)

6. MARK TEMPLATE "SURFACE-MOUNTED NETWORKX CONTROL UNIT" HOLES

On the inside ("protected") door surface, mark the two **Control Unit Mounting Plate** (Fig. 6) holes using the correct markings printed on the template (if door is beveled, use correct markings for beveled doors as described in step 1). For the inside door surface, mark the center of the hole. This hole is used for the **Cylindrical Lock Motor Wire, Proximity Reader** and **Door Contact Sensor** wires. **IMPORTANT:** This center hole is a 1/2" NON thru-hole for fire rated metal doors (see template WI2155); it is a 5/8" thru-hole for solid wood doors (see template WI2098).

Carefully remove the template.

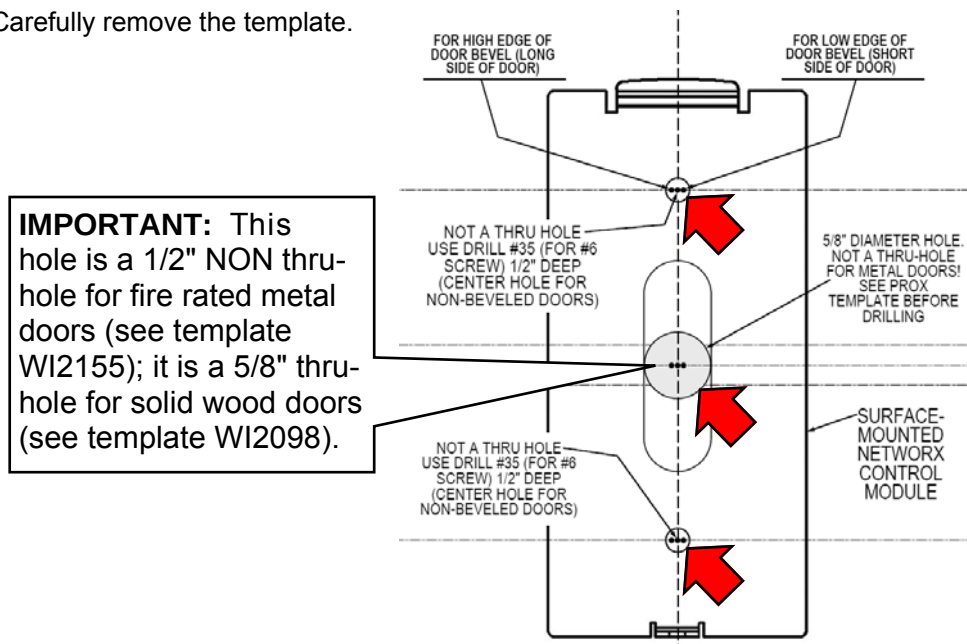


FIG. 6: MARK THE TWO "CONTROL UNIT MOUNTING PLATE" HOLES (ARROWS)

7. MARK TEMPLATE "DOOR CONTACT SENSOR" HOLE

Mark the 3/4" **Door Contact Sensor** hole in the edge of the door for the correct door thickness. Carefully remove the template.

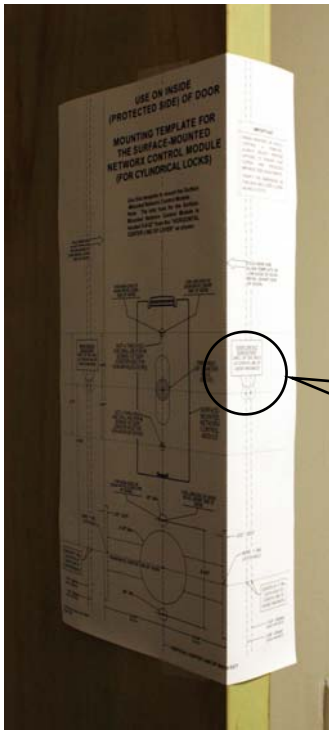


FIG. 7: DOOR CONTACT SENSOR HOLE ON DOOR EDGE

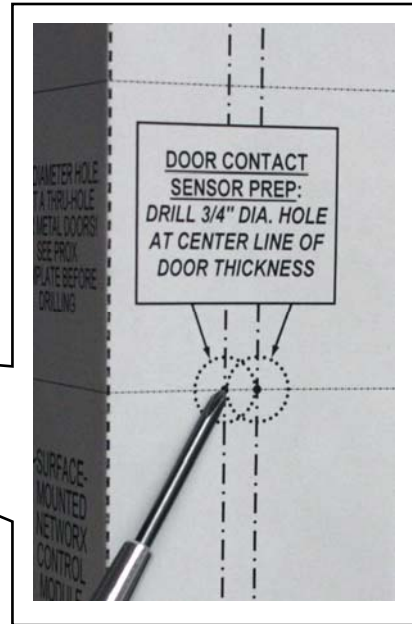


FIG. 7A: SELECT HOLE FOR DOOR THICKNESS

8. MARK "DOOR CONTACT MAGNET" ON JAMB

The **Door Contact Magnet** must be installed in the door jamb such that when the door is closed, the **Door Contact Sensor** is located *directly opposite* the **Magnet**. Install as follows:

- 8A. Open the door and temporarily place a piece of tape across the center of the mark made for the **Door Contact Sensor** in the previous step. This tape signifies the height (from the floor) of the **Door Contact Sensor**.
- 8B. Close the door. Transfer this height to the door jamb with a light pencil mark.
- 8C. Determine the center location on the jamb directly opposite the **Door Contact Sensor** when the door is closed. Open the door and measure the distance from the door edge to the center of the **Door Contact Sensor** (0.875" or $\frac{7}{8}$ "). Transfer this distance to the door jamb, measured from the door stop.

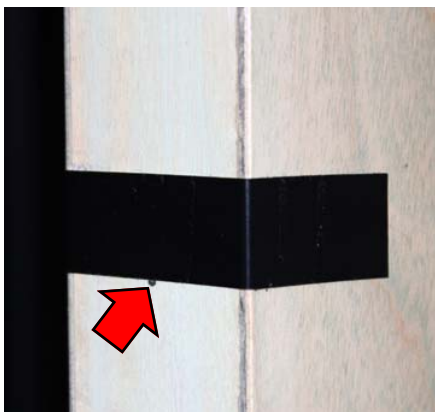


FIG. 8A: TAPE SIGNIFIES "HEIGHT FROM FLOOR"



FIG. 8B: CLOSE DOOR AND TRANSFER HEIGHT TO JAMB



FIG. 8C: LOCATE MAGNET IN JAMB CENTERED DIRECTLY OPPOSITE THE SENSOR WHEN DOOR IS CLOSED

DOOR PREP: DRILL HOLES

IMPORTANT: Remove all burrs from wire holes. *Sharp edges can eventually wear away wire insulation.*

9. DRILL THE FOLLOWING HOLES IN THE DOOR

9A. Use 7/64" drill bit:

On the outside ("unprotected side") door surface, drill the two pilot holes for the **Proximity Reader** mounting screws (NOT thru-holes, drill only into the door surface).

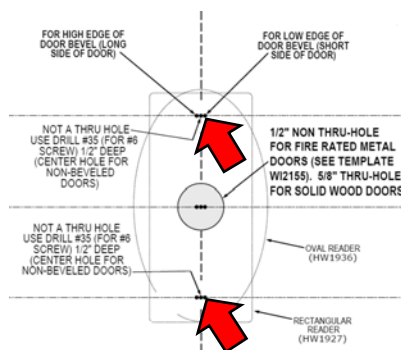


FIG. 9A: 7/64" PILOT HOLE ON OUTSIDE DOOR SURFACE FOR PROXIMITY READER

9B. Use 7/64" drill bit:

On the inside ("protected side") door surface, drill the two pilot holes for the **Control Unit Mounting Plate** mounting screws (NOT thru-holes). Drill only into the inside door surface.

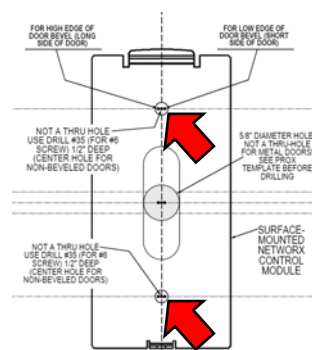


FIG. 9B: 7/64" PILOT HOLE ON INSIDE DOOR SURFACE FOR CONTROL UNIT PLATE

9C. 1/2" NON thru-hole for fire rated metal doors (see template WI2155). 5/8" thru-hole for solid wood doors (see template WI2098).

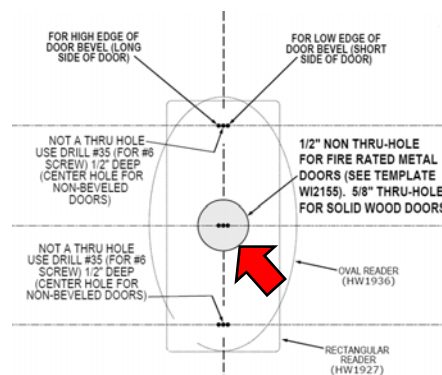


FIG. 9C:
SEE STEP 9C BEFORE DRILLING!

9D. Use 3/4" drill bit: 3/4" Door Contact Sensor hole in edge of the door (for solid wood doors, drill until the hole intersects with the 5/8" diameter hole).

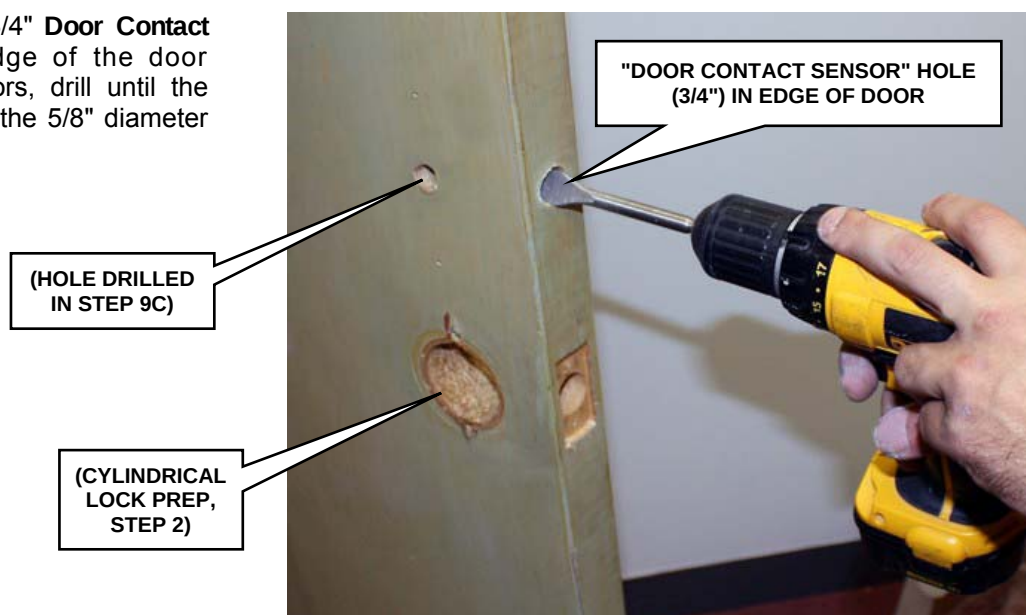


FIG. 9D: 3/4" DOOR CONTACT SENSOR HOLE IN EDGE OF THE DOOR

10. DRILL "DOOR CONTACT MAGNET" HOLE IN JAMB

10A. Find the **Door Contact Magnet**. The type provided will be either **Type A** or **Type B** (see image below). For the type provided, note its dimensions in Fig. 10A.

10B. Drill into the door jamb as follows:

For Hardwood Jambs:

- For the thicker "Type A" contact (below left image): Drill a 3/4" hole 7/8" deep into the jamb (marked in step 8).
- For the thinner "Type B" contact (below right image): Drill a 3/8" hole 7/8" deep into the jamb (marked in step 8).

For Hollow Metal Jambs:

- Use either a 3/4" or 3/8" bit (depending on **Door Contact Magnet** Type A or Type B) to drill a hole into the surface of the jamb.

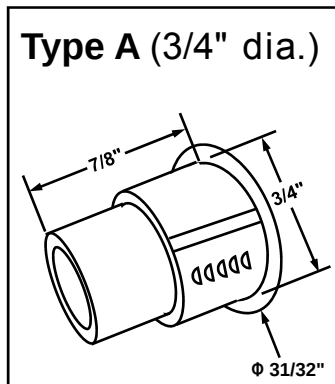


FIG. 10A: FIND THE "DOOR CONTACT MAGNET" PROVIDED, EITHER TYPE A (3/4" DIAMETER) OR TYPE B (3/8" DIAMETER)

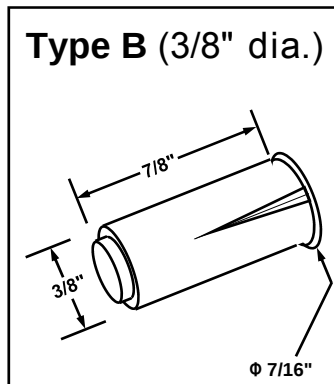


FIG. 10B: DRILL DOOR JAMB HOLE (EITHER 3/8" OR 3/4" DEPENDING ON TYPE)

10C. Insert the magnetic **Door Contact Magnet** in the jamb hole; the contact sits almost flush with the jamb when fully inserted. In some cases, an adhesive may be needed to ensure a secure fit.



FIG. 10C: DOOR CONTACT MAGNET INSTALLED IN DOOR JAMB



DECISION: HOW SHOULD I ROUTE THE "CYLINDRICAL LOCK MOTOR WIRE"?

The **Cylindrical Lock Body** includes a **Cylindrical Lock Motor Wire** that must be routed to and plugged into the **Surface-Mounted Network Control Unit**.

HOW this **Cylindrical Lock Motor Wire** is routed depends on whether the door is solid or hollow, and whether you choose to route this **Cylindrical Lock Motor Wire** through the door or along the door surface:

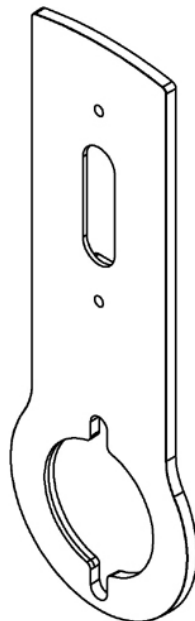
- If the **Cylindrical Lock Motor Wire** is routed along the door surface, use the **Wiring Plate** (part HW1945) where the **Cylindrical Lock Motor Wire** is routed behind this **Wiring Plate** (the wire runs along one of its inside grooves that, when installed, rests against the inside door surface). **Note:** This **Wiring Plate** (part HW1945) can be used with all types of doors, solid wood or hollow metal, and whether the **Cylindrical Lock Motor Wire** is routed through the door or along the door surface;
- If the **Cylindrical Lock Motor Wire** is routed through the door, you have other choices:

With Hollow Metal Doors:

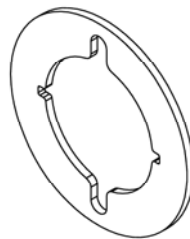
- **Option 1:** (Easiest option) Route the **Cylindrical Lock Motor Wire** within the hollow metal door. You **MUST** use either the **Wiring Plate** (part HW1945; skip to step 11) or preferably the small round **Spacer** (part # 1904ARC; skip to step 12G) that is hidden after installing the cylindrical lock body.
- **Option 2:** If for some reason you do not wish to run wires through a hollow metal door, route the **Cylindrical Lock Motor Wire** behind the **Wiring Plate** (HW1945). Skip to step 11.

With Solid Wood Doors:

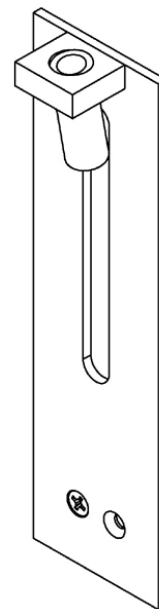
- **Option 1:** Route the **Cylindrical Lock Motor Wire** behind the **Wiring Plate** (part HW1945) along one of its grooves that, when installed, rests against the inside door surface. Skip to step 11.
- **Option 2:** If you do not wish to use the **Wiring Plate**, use the **Cylindrical Drill Jig** (part #N90S1DJ) to drill a pathway for the **Cylindrical Lock Motor Wire** *within* the solid wood door (from the 2-1/8" diameter door chassis hole to the 5/8" diameter thru-hole). You **MUST** use the small round **Spacer** (part # 1904ARC) when installing the cylindrical lock body. Skip to step 12.



WIRING PLATE
(PART # HW1945)



SPACER
(PART # 1904ARC)



CYLINDRICAL DRILL JIG
(PART # N90S1DJ)
FOR SOLID WOOD DOORS ONLY

11. USING THE WIRING PLATE

The **Wiring Plate** is always installed on the inside ("protected") side door surface. Note also that the **Cylindrical Lock Motor Wire** will run along the inside ("protected") side door surface.

11A. Install the latch and secure with screws provided.



FIG. 11A: INSTALL LATCH

11B. From the outside ("unprotected") side of the door, insert the **Cylindrical Lock Body** into the 2-1/8" diameter door chassis hole (standard ASA 161 door prep) as detailed in its installation instructions provided with the unit.

IMPORTANT: Ensure the **Cylindrical Lock Motor Wire** runs to the inside ("protected") side of the door. Do not install the inside housing yet, as the **Inside Wiring Plate** will need to be installed first.

Install the **Inside Rose Plate** with the wire routed as shown in Fig. 11B. With metal doors, drill the 1/8" holes for the **Inside Rose Plate** "tabs" (as shown on the template WI2099). With wood doors, the **Inside Rose Plate** can be hammered into place without needing to drill the two 1/8" holes for these "tabs".

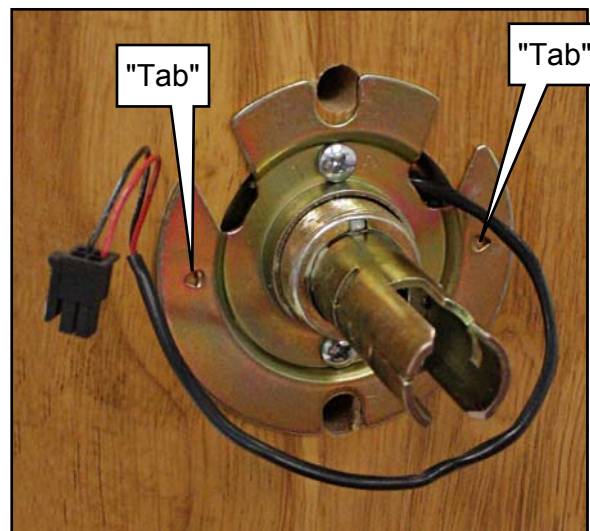


FIG. 11B: WIRE RUNS TO THE INSIDE

- 11C.** Route the **Cylindrical Lock Motor Wire** within one of the two grooves located on the "interior" of the **Wiring Plate**; use the groove on the same side as the **Cylindrical Lock Motor Wire** as it exits the **Lock Body**. Tape the wire in place.

Note: The **Cylindrical Lock Motor Wire** plug sleeve color is yellow.

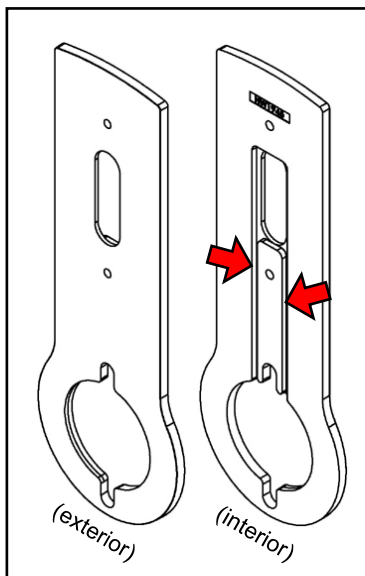


FIG. 11C: USE THE GROOVE ON THE SAME SIDE AS THE MOTOR WIRE (ARROWS)

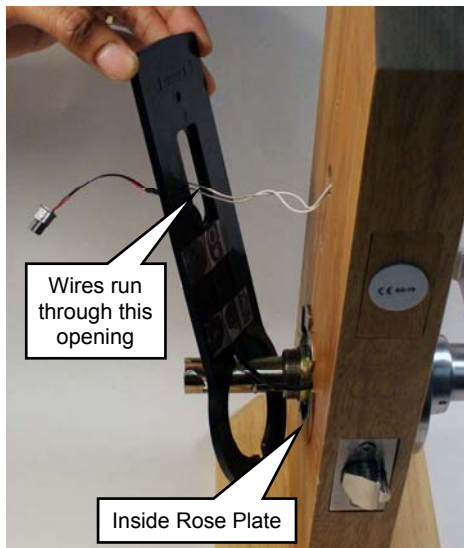


FIG. 11D: ROUTE THE MOTOR WIRE WITHIN THE GROOVE CLOSEST TO THE MOTOR WIRE. TAPE WIRE IN PLACE

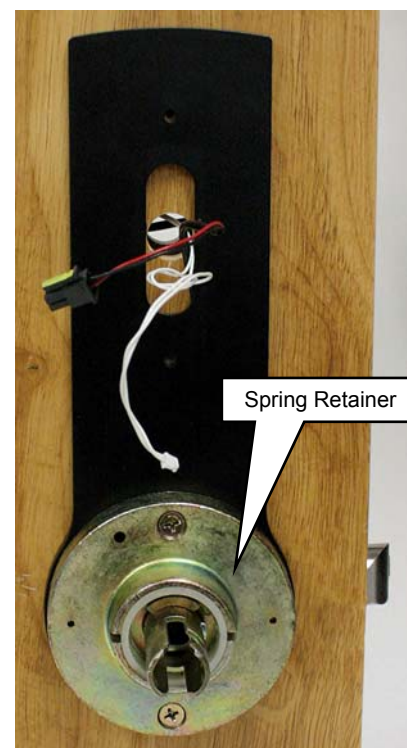


FIG. 11E: INSTALL THE SPRING RETAINER AND SECURE WITH TWO LONG SCREWS

- 11D.** Tape the wire to the interior of the **Wiring Plate**. Place the circular opening of the **Wiring Plate** over the inside ("protected" side) so that its "interior" grooves will rest against the inside door surface.
- 11E.** Install the **Spring Retainer** and secure with two long screws (see Fig. 11E).

Skip to step 13.

12. USING THE CYLINDRICAL DRILL JIG

The optional **Cylindrical Drill Jig** (part #N90S1DJ) is used with solid wood doors only. For hollow metal doors, jump to step 13. If you want to use the **Wiring Plate** (HW1945) in place of the **Cylindrical Drill Jig**, jump back to step 11.

PURPOSE OF THE JIG

The **Jig** is used to drill a diagonal 1/2" hole through a solid wood door, to provide path for the **Cylindrical Lock Motor Wire**, allowing this wire to run to the 5/8" diameter thru-hole and be connected to the **Surface-Mounted Networkx Control Unit**.

The **Jig** will be clamped to the *inside door surface*, and the hole will be drilled starting from the 5/8" diameter thru-hole and ending at the 2-1/8" diameter door chassis hole.

Fig. 12 displays two "side views" to show how this **Cylindrical Drill Jig** is inserted in the door, and the path of this drilled interior hole.

Before you can drill, an "**Alignment Puck**" must be fastened to the **Cylindrical Drill Jig**.

PURPOSE OF THE "ALIGNMENT PUCK"

When the **Cylindrical Lock Body** is correctly inserted into the door (see Fig. 12A), the **Cylindrical Lock Motor Wire** is always located on the side of the **Cylindrical Lock Body** that is *furthest from the latch*. Therefore, this **Alignment Puck** is designed to shift the **Jig** to align with the location of the **Cylindrical Lock Motor Wire**. In addition, the **Jig** is also positioned to avoid the 3/8" (5/16") thru-hole (see Fig. 12A).

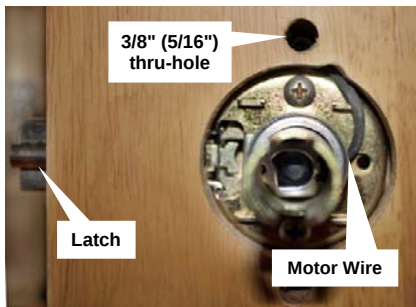


FIG. 12A: MOTOR WIRE IS ALWAYS LOCATED FURTHEST FROM LATCH

12A. SELECT PROPER POSITION OF THE "ALIGNMENT PUCK"

As shown in Fig. 12AA, the rear of the **Cylindrical Drill Jig** includes an adjustable "**Alignment Puck**" that must be fastened to one of the two screw holes at the bottom of the **Jig** with a Phillips head screw (provided). To ensure the hole to be drilled aligns with the location of the **Cylindrical Lock Motor Wire**, proceed as follows:



From the "inside" ("protected" side) of the door: *If the latch is on the left side, select **Hole A**; if the latch is on the right side, select **Hole B**.*

Example: The photograph shown in Fig. 12A was taken from the inside of the door; with the latch located on the left side, use **Hole A** to shift the **Jig** away from the latch, to align with the **Cylindrical Lock Motor Wire**.

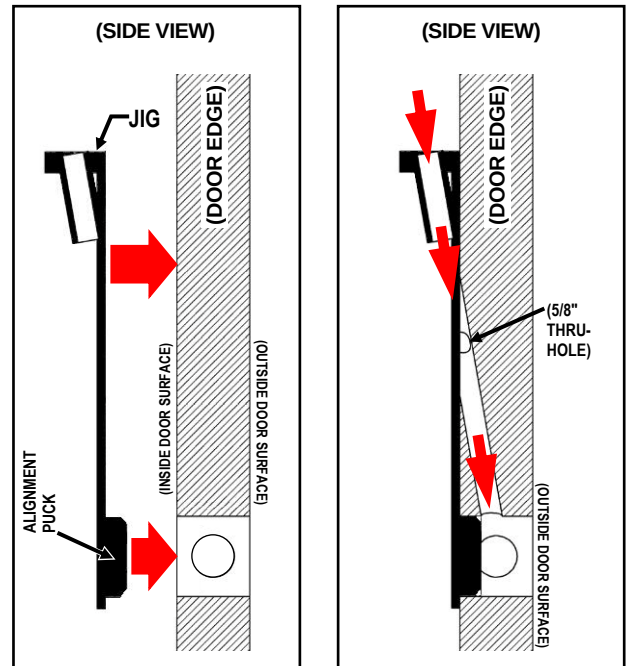


FIG. 12: JIG IS INSERTED INTO THE INSIDE ("PROTECTED") SIDE OF THE DOOR. VIEW AT RIGHT SHOWS HOLE PATH

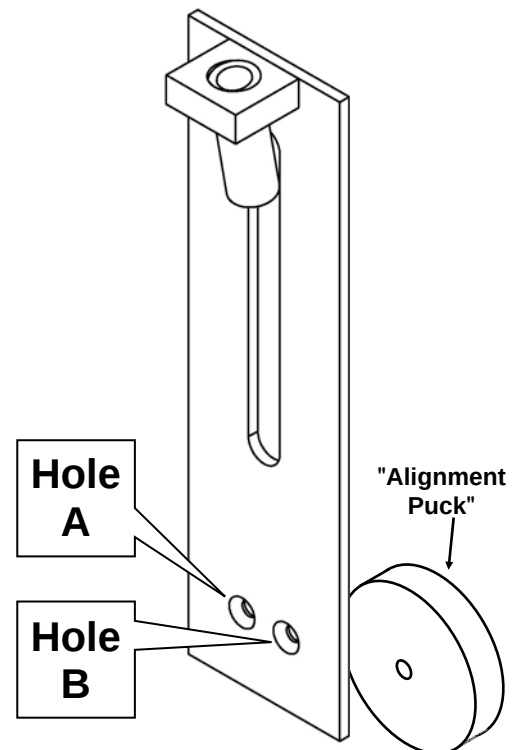


FIG. 12AA: CYLINDRICAL DRILL JIG

12B. CLAMP DRILL JIG TO DOOR

On the inside ("protected") side of the door, place the **Jig (Alignment Puck** first), into the 2-1/8" diameter door chassis hole. Use a level to ensure the top edge of the **Jig** is horizontal; then clamp the **Jig** in place (temporarily cushion the clamp(s) with shims or other material to prevent damaging the door surface, as shown in Fig. 12BB).



FIG. 12B: DRILL JIG CLAMPED TO DOOR, WITH LEVEL



FIG. 12BB: ALWAYS PROTECT THE DOOR SURFACE !

12C. DRILL HOLE WITH DRILL JIG

Insert supplied 1/2-inch diameter wood drill bit into the **Cylindrical Drill Jig** as shown in Fig. 12C and drill the hole until the 2-1/8" diameter door chassis hole is reached.

When finished, remove the **Jig**.



FIG. 12C: DRILL SLOWLY AND CAREFULLY

12D. FILE NOTCH

Prevent the **Cylindrical Lock Body** from pinching the **Cylindrical Lock Motor Wire** against the 2-1/8" diameter door chassis hole by filing a notch (or a "channel") in the top of the 2-1/8" diameter hole with a circular file. The notch location corresponds with the part of the **Cylindrical Lock Body** where the **Cylindrical Lock Motor Wire** and the 2-1/8" diameter hole will meet.

Fig. 12D shows a close-up of this notch, shown from the inside ("protected") side of the door. Note that this image shows the **Cylindrical Lock Body** already installed (for reference)

Creating this notch to allow space for the Cylindrical Lock Motor Wire is very important and MUST be performed.

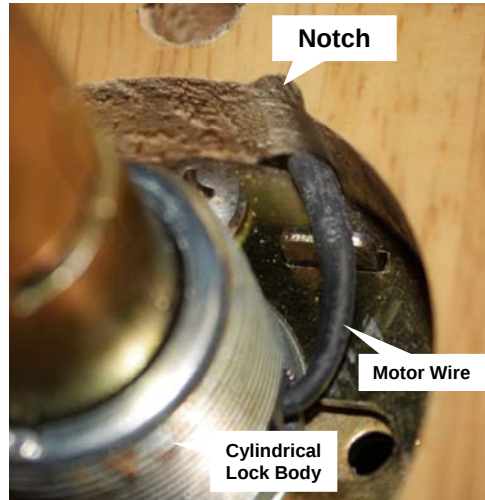


FIG. 12D: FILE NOTCH (ARROW)

12E. INSTALL THE LATCH

Secure with screws provided.



FIG. 12E: INSTALL LATCH

12F. INSTALL THE "CYLINDRICAL LOCK BODY"

From the outside ("unprotected") side of the door, insert the **Cylindrical Lock Body** into the 2-1/8" diameter door chassis hole while feeding the **Cylindrical Lock Motor Wire** up through the 5/8" diameter thru-hole running to the inside ("protected") side of the door.

Note: The **Cylindrical Lock Motor Wire** plug sleeve color is *yellow*.



FIG. 12F: INTERIOR HOLE (ARROW)

Secure the **Cylindrical Lock** with the mounting hardware provided. See the installation instructions provided with the **Cylindrical Lock** for complete installation instructions.

12G. INSTALL THE "SPACER"

Continue installing the cylindrical lock on the door as detailed in the instructions included with the cylindrical lock. However, after installing the **Inside Rose Plate** with the **Inside Mounting Screws** (see Fig. 12Ga and Fig. 12Gb), Install the **Spacer** (part # 1904ARC; see Fig. 12Gc). Continue installing the cylindrical lock as detailed in the aforementioned instructions. **Note:** To allow the **Inside Rose Plate** to lie flush against metal doors, drill the 1/8" minimum depth holes for the **Inside Rose Plate** "Tabs" as shown in Fig. 12Gb (see "METAL DOORS ONLY" on template WI2155). With wood doors, hammer Inside Rose Plate until flush with door surface.

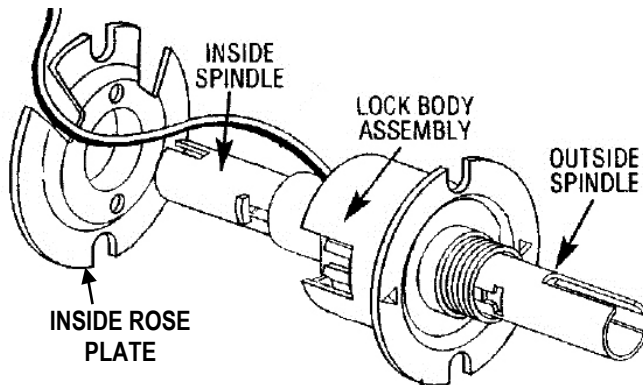


FIG. 12Ga: GENERAL EXPLODED VIEW OF CYLINDRICAL LOCK PARTS



FIG. 12Gb: INSIDE ROSE PLATE INSTALLED



FIG. 12Gc: INSTALL "SPACER"

13. INSTALL "DOOR CONTACT SENSOR" IN DOOR EDGE

Insert the **Door Contact Sensor** wires through its 3/4" hole in the edge of the door and then out through the hole to the **Surface-Mounted Networx Control Unit** located on the inside ("protected") side of the door.

Note: The **Door Contact Sensor** plug wires are *white*.



FIG. 13: ROUTE TO THE INSIDE
("PROTECTED") SIDE OF THE DOOR

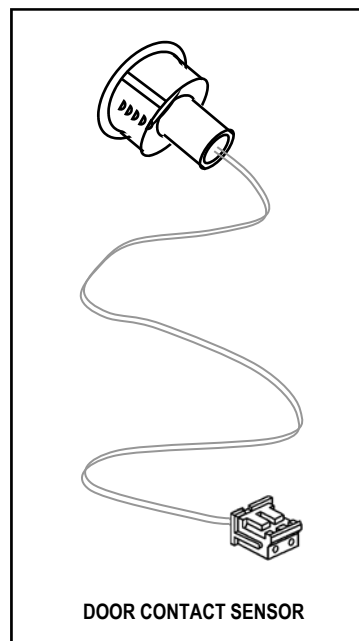


FIG. 13A

PROXIMITY READER INSTALLATION

Find the reader type provided, either rectangular or oval. If you have a **Rectangular Proximity Reader**, go to step 15. If you have an **Oval Proximity Reader**, go to step 14 below.

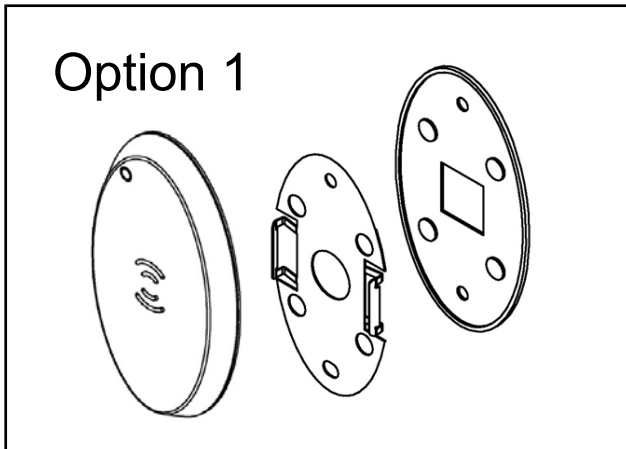


FIG. B: OVAL PROXIMITY READER
(GO TO STEP 14 BELOW)

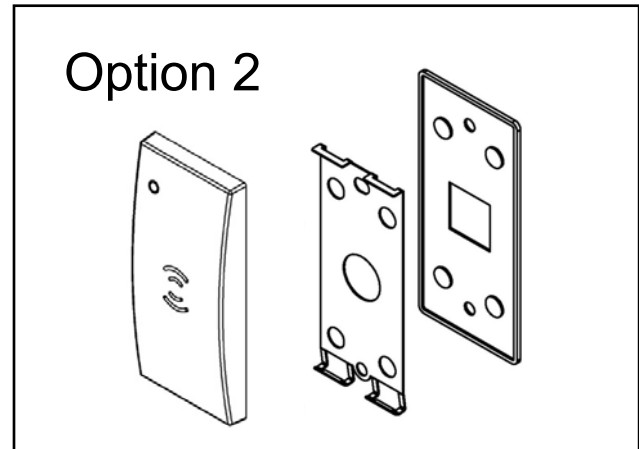
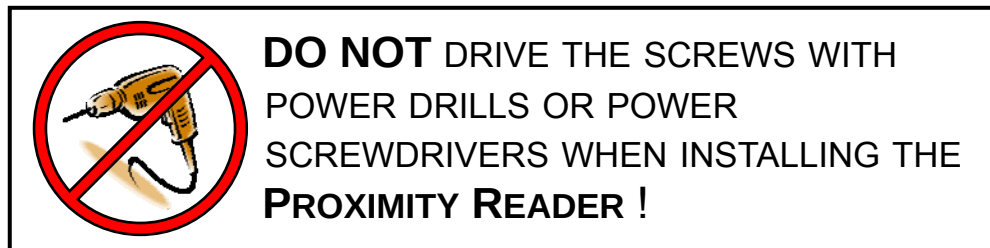


FIG. C: RECTANGULAR PROXIMITY READER
(GO TO STEP 15)



14. OVAL PROXIMITY READER INSTALLATION

If you have a "Rectangular" Proximity Reader, go to step 15.

Note that the **Oval Mounting Plate** is symmetrical, and therefore has no "top" or "bottom".

14A. INSTALL THE "OVAL RUBBER GASKET" AND THE "OVAL MOUNTING PLATE"

See Fig. 14A. Place the **Oval Rubber Gasket** (with its attached **Oval Mounting Plate**) against the door surface, over the hole that was drilled into the door in step 9C.

Secure (*snug-tight only, do not over-tighten*) using the two Phillips Pan Head screws appropriate for the door type as follows:

- **For Metal Doors:** #6-32 x 1/2" long Type F thread cutting Phillips head (part #SC212);
- **For Wood Doors:** #6 x 1/2" long Type A Phillips head (part #SC265)

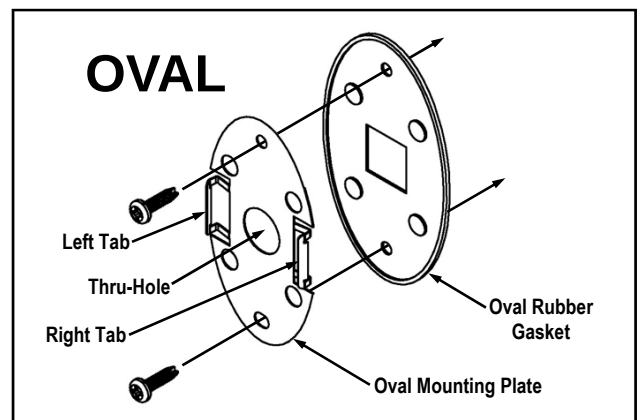


FIG. 14A: "OVAL MOUNTING PLATE" (WITH LEFT AND RIGHT "TABS") AND THE ATTACHED "OVAL RUBBER GASKET"

Again, do **NOT** over-tighten these screws; over-tightening will cause undesired deformation of the **Rubber Gasket**.

14B. RUN THE OVAL PROXIMITY READER WIRES

From the outside ("unprotected" side) of the door, feed the **Proximity Reader** wires (plug sleeves are *orange* and *blue*) fully into the **Oval Mounting Plate** center hole to the inside ("protected" side) of the door as shown in Fig. 14B. *Do not pinch wires.*



FIG. 14B: FEED THE WIRES INTO THIS "OVAL MOUNTING PLATE" CENTER HOLE TO THE INSIDE ("PROTECTED SIDE")

14C. INSTALL OVAL PROXIMITY READER COVER

The **Oval Proximity Reader** cover "snaps" into place, as follows:

- Hook the **Reader** on the **Left Tab** of the **Mounting Plate**.
- Keep thumb pressure on left side.



FIG. 14C

- Press firmly on the right side of the **Reader** until it "snaps" into place.

Note: A spare **Mounting Plate** and **Rubber Gasket** are provided if needed. *Be careful not to pinch any wires.*



FIG. 14CC

15. RECTANGULAR PROXIMITY READER INSTALLATION

The **Rectangular Mounting Plate** IS NOT symmetrical, and therefore does have a "top" and a "bottom". Note the two **Top Tabs** and two **Bottom Tabs** shown in Fig. 15A:

15A. INSTALL THE "RECTANGULAR RUBBER GASKET" AND THE "RECTANGULAR MOUNTING PLATE"

See Fig. 15A. Place the **Rectangular Rubber Gasket** (with its attached **Rectangular Mounting Plate**) over the hole that was drilled into the door in step 9C, then secure (*snug-tight only, do not over-tighten*) using the two Phillips Pan Head screws appropriate for the door type as follows:

- **For Metal Doors:** #6-32 x 1/2" long Type F thread cutting Phillips head (part #SC212);
- **For Wood Doors:** #6 x 1/2" long Type A Phillips head (part #SC265)



Again, do **NOT** over-tighten these screws; over-tightening will cause undesired deformation of the **Rubber Gasket**.

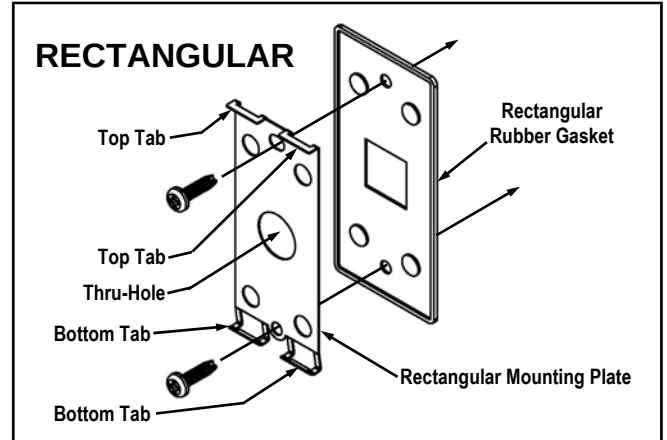


FIG. 15A: "RECTANGULAR MOUNTING PLATE" AND THE ATTACHED "RECTANGULAR RUBBER GASKET"

15B. RUN THE RECTANGULAR PROXIMITY READER WIRES

From the outside ("unprotected" side) of the door, feed the **Rectangular Proximity Reader** wires (plug sleeves are *orange* and *blue*) fully into the **Rectangular Mounting Plate** center hole to the inside ("protected" side) of the door as shown in Fig. 15B. *Do not pinch wires.*



FIG. 15B: FEED THE WIRES INTO THIS "RECTANGULAR MOUNTING PLATE" CENTER HOLE TO THE INSIDE ("PROTECTED SIDE")

15C. INSTALL RECTANGULAR PROXIMITY READER COVER

The **Rectangular Proximity Reader** cover "snaps" into place, as follows:

- a. Hook the **Rectangular Proximity Reader** on the two **Top Tabs** on the top of the **Rectangular Mounting Plate** (see Fig. 15C).

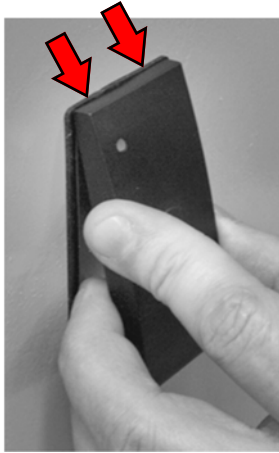


FIG. 15C

- b. Press firmly on the bottom of the **Rectangular Proximity Reader** until it "snaps" into place.

Be careful not to pinch any wires.



FIG. 15CC

16. INSTALL "CONTROL UNIT MOUNTING PLATE"

Locate the two pilot holes for the **Control Unit Mounting Plate** mounting screws that were drilled into the inside ("protected") door surface in step 9B.

See Fig. 16 to determine which end is the "TOP". Place the **Control Unit Mounting Plate** against the inside ("protected") door surface and secure using the two Phillips Flat Head screws appropriate for the door type as follows:

- **For Metal Doors:** #6-32 x 5/8" long Type 23 thread cutting Phillips Flat head, U-cut (part #SC682);
- **For Wood Doors:** #6 x 3/4" long undercut self-tapping Type A (part #SC596)

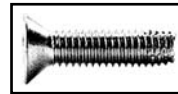


FIG. 16A: INSTALL CONTROL UNIT MOUNTING PLATE ON TOP OF WIRING PLATE, IF INSTALLED

If the **Wiring Plate** was installed in step 11, place the **Control Unit Mounting Plate** on top of the **Wiring Plate** and install the screws (see Fig. 16A). If not using the **Wiring Plate**, screw the **Control Unit Mounting Plate** directly into the door.

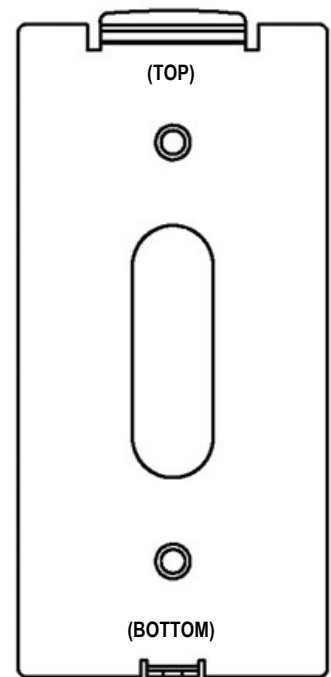


FIG. 16:
CONTROL UNIT MOUNTING
PLATE

17. CONNECT PLUGS IN THE "SURFACE-MOUNTED NETWORKX CONTROL UNIT"

Match the plug sleeve colors to the corresponding sockets (see Fig. 17). **Note:** The Door Contact Sensor is a pair of white wires connected to a small white plug with a blue sleeve near the sensor; do not confuse this plug with the plug for the "RX Request to Exit" plug originating from the **Cylindrical Lock Body**.

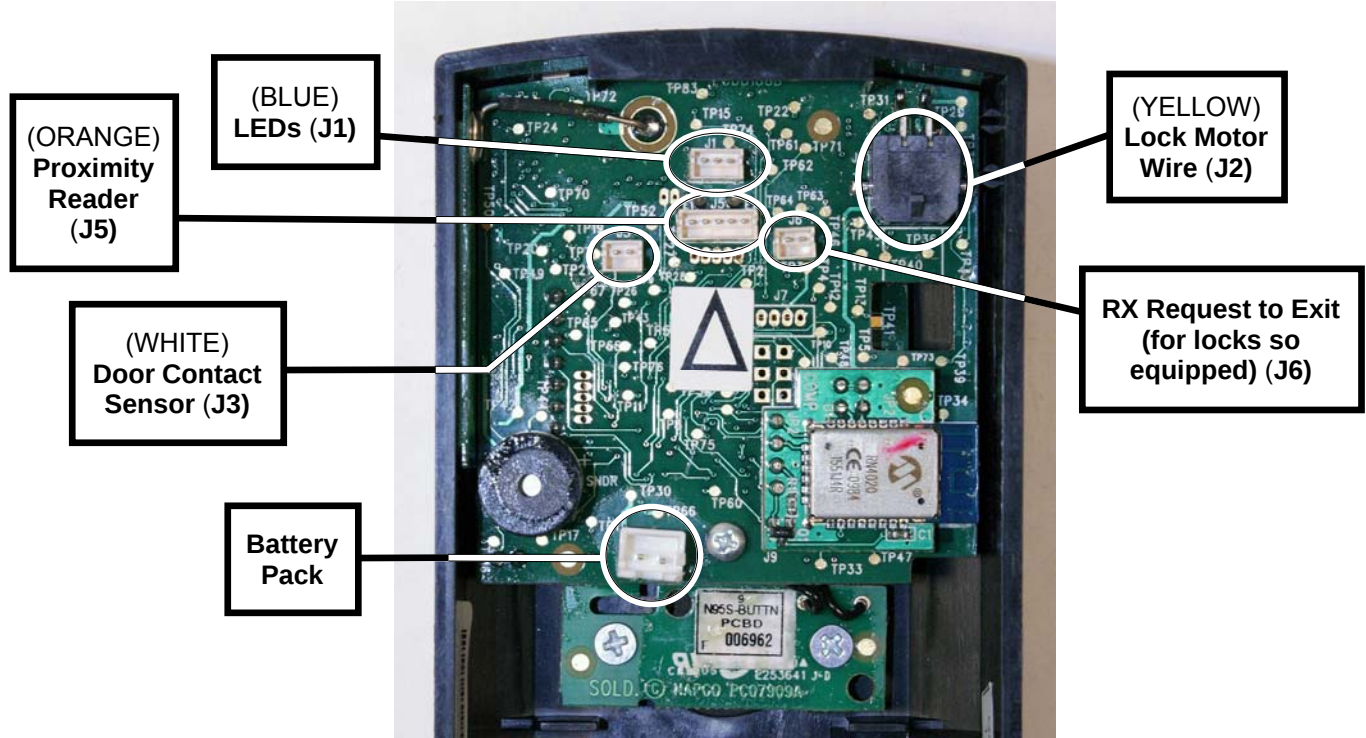


FIG. 17: CONTROL UNIT CONNECTIONS

18. CONNECT THE BATTERY PACK

See the above Fig. 17 for the location of the **Battery Pack** socket. Place the **Battery Pack** into the rear of the **Surface-Mounted NetworkX Control Unit** with the flat side up, as shown in Fig. 18A. As shown in Fig. 18B, route the wires through the opening in the PCB. This opening was intentionally designed to prevent pinched wires.



FIG. 18A: INSTALL BATTERY PACK WITH FLAT SIDE UP

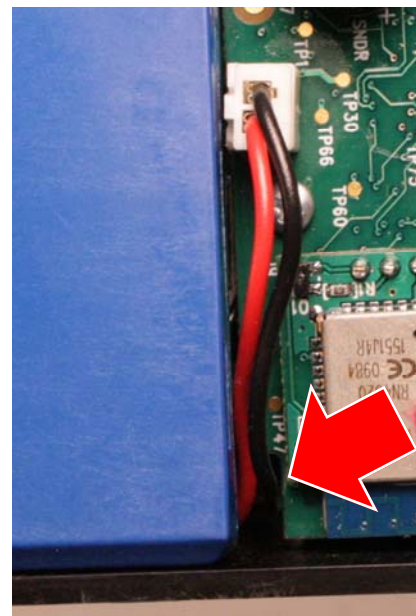


FIG. 18B: BE SURE WIRES ARE ROUTED THROUGH PCB OPENING (ARROW). Do NOT pinch wires!

19. MOUNT THE "SURFACE-MOUNTED NETWORKX CONTROL UNIT"

Before mounting, we recommend feeding all of the previously connected wires back into the door.

- a. Hook the top of the **Surface-Mounted Networkx Control Unit** into the top of the **Control Unit Mounting Plate** and press the bottom until flush with the door surface.
- b. Insert the Dog Point screw into the bottom of the **Surface-Mounted Networkx Control Unit** (#6-32 Allen Head countersunk U-cut Dog Point screw, part #SC681 as shown in Fig. 19). First thread this screw by hand using the knurled head for grip, then tighten with the rounded head of the supplied Allen key.

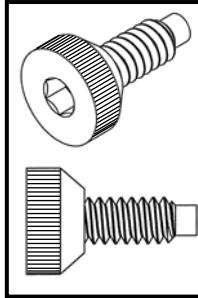


FIG. 19: "DOG POINT" SCREW



FIG. 19A: INSERT "DOG POINT" SCREW HERE

NOTES

NOTES

ArchiTech Networkx Limited Warranty

NAPCO Security Technologies, Inc. (NAPCO) warrants its products to be free from manufacturing defects in materials and workmanship for twenty four months following the date of manufacture. NAPCO will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges, environmental wear and tear, normal maintenance expenses, or shipping and freight expenses required to return products to NAPCO. Additionally, this warranty shall not cover scratches, abrasions or deterioration due to the use of paints, solvents or other chemicals.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. ADDITIONALLY, THIS WARRANTY IS IN LIEU OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF NAPCO.

Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period.

IN NO CASE SHALL NAPCO BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT.

In case of defect, contact the security professional who installed and maintains your security system. In order to exercise the warranty, the product must be returned by the security professional, shipping costs prepaid and insured to NAPCO. After repair or replacement, NAPCO assumes the cost of returning products under warranty. NAPCO shall have no obligation under this warranty, or otherwise, if the product has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to accident, nuisance, flood, fire or acts of God, or on which any serial numbers have been altered, defaced or removed. NAPCO will not be responsible for any dismantling, reassembly or reinstallation charges, environmental wear and tear, normal maintenance expenses, or shipping and freight expenses required to return products to NAPCO. Additionally, this warranty shall not cover scratches, abrasions or deterioration due to the use of paints, solvents or other chemicals.

This warranty contains the entire warranty. It is the sole warranty and any prior agreements or representations, whether oral or written, are either merged herein or are expressly cancelled. NAPCO neither assumes, nor authorizes any other person purporting to act on its behalf to modify, to change, or to assume for it, any other warranty or liability concerning its products.

In no event shall NAPCO be liable for an amount in excess of NAPCO's original selling price of the product, for any loss or damage, whether direct, indirect, incidental, consequential, or otherwise arising out of any failure of the product. Seller's warranty, as hereinabove set forth, shall not be enlarged, diminished or affected by and no obligation or liability shall arise or grow out of Seller's rendering of technical advice or service in connection with Buyer's order of the goods furnished hereunder.

NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following; criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. NAPCO does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

NAPCO is not an insurer of either the property or safety of the user's family or employees, and limits its liability for any loss or damage including incidental or consequential damages to NAPCO's original selling price of the product regardless of the cause of such loss or damage.

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