

Enhanced “F-Series” Back Plate and Mounting Plate

Recognition Systems, Inc. has incorporated a change to the F-Series Back Plate and Mounting Plate to facilitate ease of installation and eliminate prior individual fasteners. The prior “Piano Hinge” with the four recessed mounting fasteners has been eliminated and replaced with a slide on integral hinge implementation. The new Back Plate also has changes to accommodate better access to the interface connectors and a thicker foam gasket to add additional compression as a dust seal. The wall plate has the same mounting hole arrangement as in the previous configuration but is modified with four integral pins which accepts the sleeves integrated into the new Back Plate forming a hinge arrangement.

Mechanical Installation

Select an installation location based on the guidelines provided in the Planning an Installation section of the manual.

Wall Plate Installation

1 Wall Preparation

For the following instructions protect the Hand Reader from the dust and debris generated during the wall plate installation process.

1. Remove the wall plate from the packing carton. Refer to Figure 1 for all wall plate references in the following section.

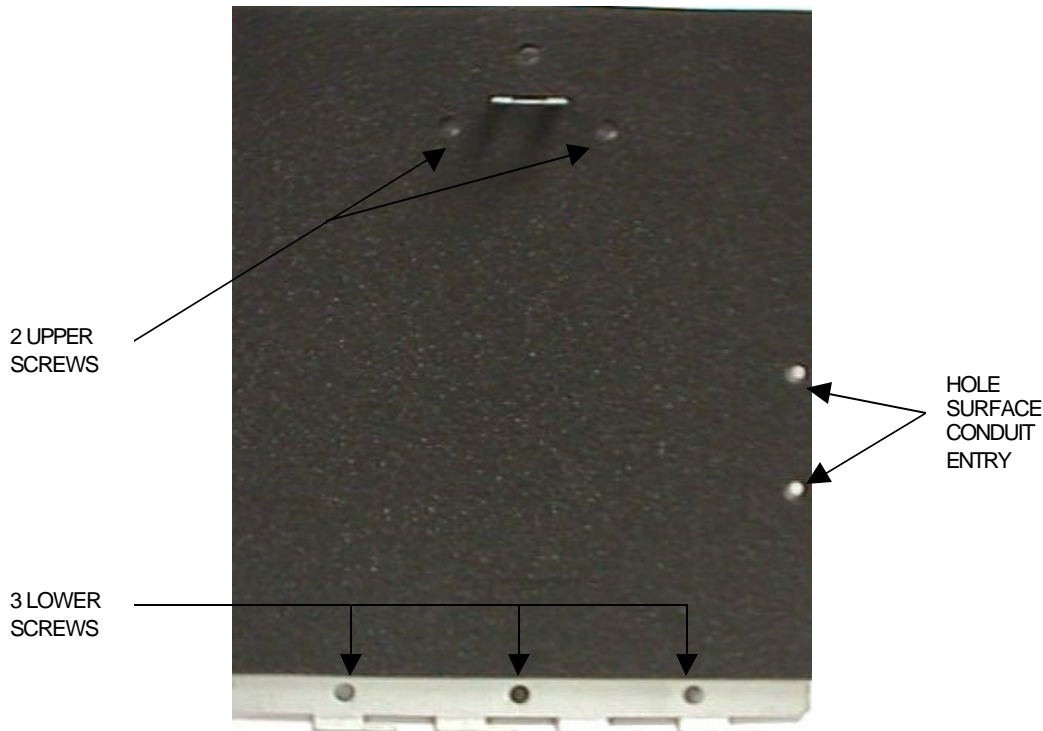


Figure 1: Wall Plate

2. Measure and mark a point 48-1/2 inches (123 cm) from the surface of the finished floor. This point will correspond to where the top-center point of the Hand Reader should be mounted.
3. For a hollow wall, drive a small nail into the wall at the mark and hang the wall plate from the leveling hole located near the top of the wall plate.
4. For a solid wall, hold the wall plate against the wall, centering the leveling hole over the mark in the wall.
5. Align a bubble level with the top edge of the wall plate and gently rotate the wall plate until the bubble level shows that the top edge of the plate is level.
6. Secure the plate to the wall using heavy masking tape.
7. Using the wall plate as a template, mark the locations of the two upper screw holes and the three lower screw holes.
8. For a concealed wiring connection, trace the outline of the open area in the center of the wall plate. Identify and mark a 1/2 inch hole through which the Hand Reader's wiring will be mounted.
9. For a surface conduit wiring connection, mark the two conduit clamp holes at the right side of the wall plate.
10. Remove the wall plate, masking tape, and the nail (if used).

2 Mounting the Wall Plate

1. For a hollow wall, use the provided hardware to mount the wall plate. Use the two auger style fasteners for the upper two mounting holes. Use the toggle bolts for the three lower mounting holes.
2. For a solid wall, use expansion bolts to mount the wall plate. For all five mounting holes, drill a 1/4 inch diameter hole, 1/4 of an inch deeper than the length of the expansion anchor.

3 Routing the Wiring

1. For a concealed wiring connection, drill a 1/2 inch hole in a convenient location within the open area of the wall plate. Pull the wiring to enter the Hand Reader through this hole in the open area.
2. For a surface conduit wiring connection, drill a 1/4 inch diameter hole, 1/4 of an inch deeper than the length of the expansion anchor for each of the two conduit clamp holes. Route 1/2 inch conduit to the Hand Reader, ending the conduit between the two conduit clamp holes. Pull the wiring to enter the Hand Reader through the conduit.

4 Attaching the Hand Reader

1. Remove the Hand Reader from its carton.
2. Align the sleeves of the back plate with the pins of the wall mount and slide the Hand Reader to the left as shown in Figure 2A and 2B.



Figure 2A: Attaching the Hand Reader to the Wall Plate



Figure 2B: Attaching the Hand Reader to the Wall Plate

3. The Hand Reader is now ready for its wiring connections.