

## Sealed IDC Add-a-line Kit

### 1. Access to the Unit

The unit's outside door is held closed with a snap feature and slotted screw. Subscriber padlocks can be overridden with a standard telephone company "KS" tool or a 216B tool.

### 2. Installing Station Protector

The breakaway ground contact allows the station protector to be mounted with the IDC access holes facing front or back.

**Step 1** Verify the direction the protector is to be mounted. Break off the unused contact before the module is to be mounted (Figure 1).

**Step 2** Loosen top nut on NID ground post where protector is to be installed.

**Step 3** Mount remaining contact under nut on the ground post and tighten nut.

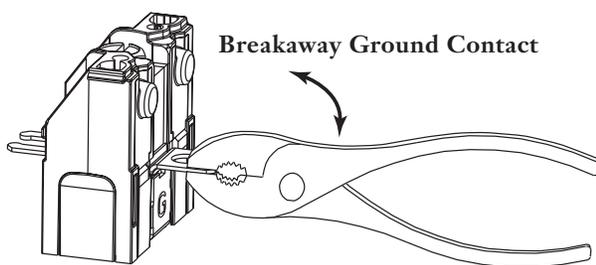


Figure 1 — Break Away Unused Contact

### 3. Installing Line Module

**Step 1** Slide line module into base of NID. Ensure that the slot on the back of the module is captured by the latch. (Figure 2).

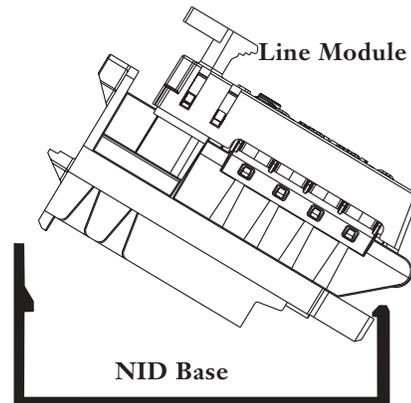


Figure 2 — Mount Module in NID Base

**Step 2** Route the subscriber wires into the telco compartment through the large slot in the line module compartment.

**Step 3** Press the front of the line module into position, ensuring that it is captured under the latch at the front.

**Step 4** Connect the appropriate tip and ring wires from the line module to the protector by inserting the corresponding wire into the small corresponding holes. Refer to Section 4 for proper insertion procedures. **Do not strip wires before installing in protector.**

#### 4. Telco Wiring

- Step 1** Remove the left-hand grommet and punch a small hole in the center using a pair of needle-nose pliers, a pencil or equivalent.
- Step 2** Feed service wire through the telco grommet into the NID.
- Step 3** To connect larger diameter (20 to 18.5 AWG or 0.8 to 1 mm) telco wires, use the larger diameter holes in the top of the cap on the protector module. The larger diameter holes will also accommodate smaller gauge wire (22 to 24 AWG). The small diameter holes will only accommodate 22 to 24 AWG wires.
- Step 4** Unscrew the cap (counterclockwise) two turns until click is heard. **Both wires must be terminated at the same time when using the large diameter holes.** Small diameter telco wires can also be terminated in the large holes.

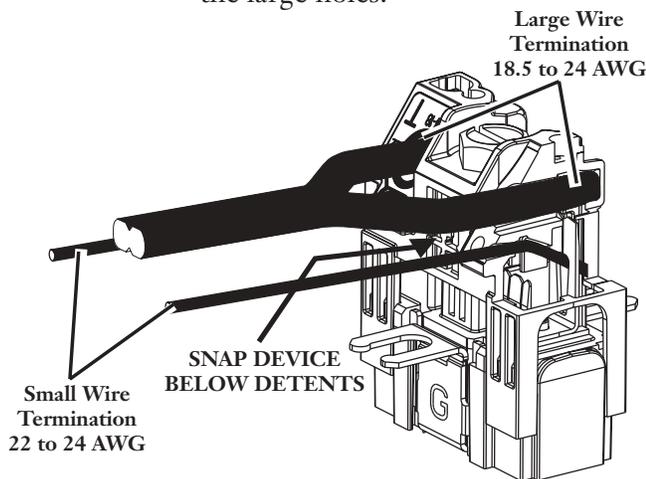


Figure 3 — Insert Telco Wires

- Step 5** Insert the solid wires into the large holes. Check insertion depth visually through the cap (Figure 3).
- Step 6** Hold the wires in place and screw the cap down (clockwise) until it stops.

**NOTE:** Cap must be completely down to assure connection.

- Step 7** Gently pull on the wires to verify connection. Once inserted, the wires will remain in place when the cap is unscrewed.

#### 5. Protector Testing

- Step 1** The complete circuit can be tested with the cap in place. Simply connect standard test clips to the test points while cap is screwed down. (Figure 4).

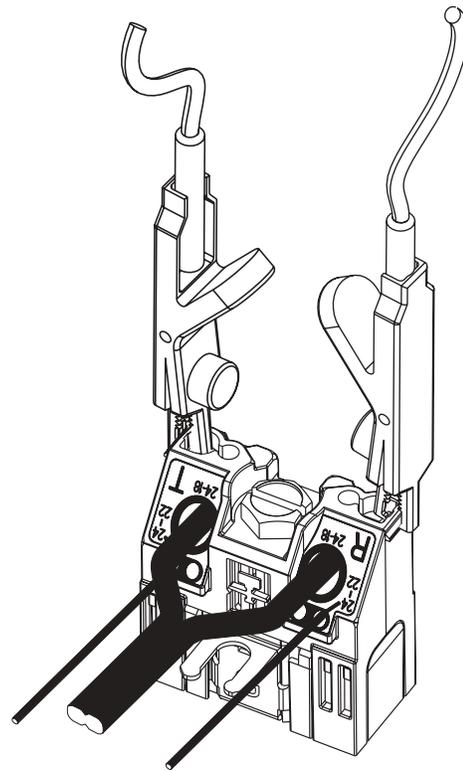


Figure 4 — Test Complete Circuit

- Step 2** To test subscriber wires separately, unscrew cap two turns until telco wires can be withdrawn and connect the standard test clips to the test points (Figure 5).

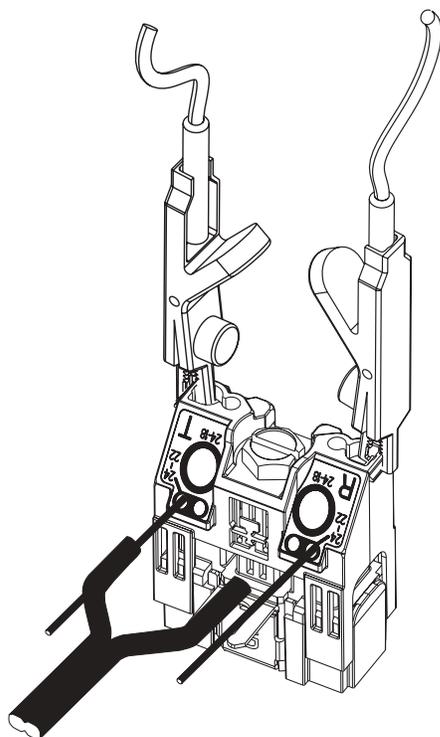


Figure 5 — Test Subscriber Wires Separately

## 6. Disconnecting Telco Wires

- Step 1** To remove only the telco wires, unscrew the cap two turns until a click is heard. Pull the wires out of the large holes. To remove small wires that are installed in the large holes, pull upwards on the wires after the cap has been unscrewed.
- Step 2** To remove the subscriber wires, unscrew the cap until the screw turns freely, approximately three turns. Pull the wires upwards.

## 7. Subscriber Wiring

- Step 1** Open module cover by pushing the latch button and pulling upwards (Figure 6). Cover can be snapped off hinges for easier wiring.

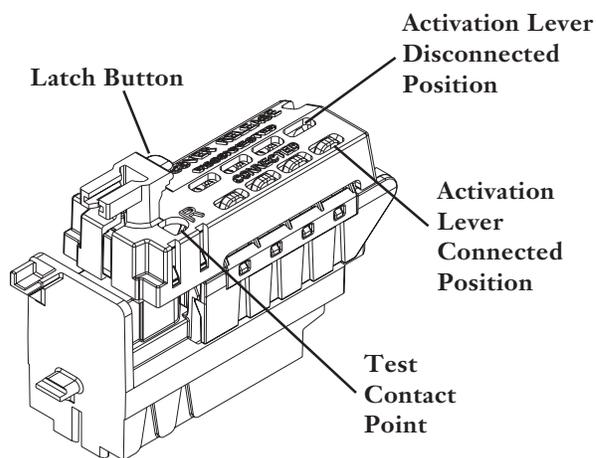


Figure 6 — Open Module

- Step 2** If cover is not removed from hinges, feed subscriber wires through hole formed by hinges and end of cover. (Figure 7)
- Step 3** There are four activation levers. Each will terminate one wire pair. It is recommended that the position closest to the hinges be used first.
- Step 4** Push the activation lever of the position to be used forward towards the wire holes.

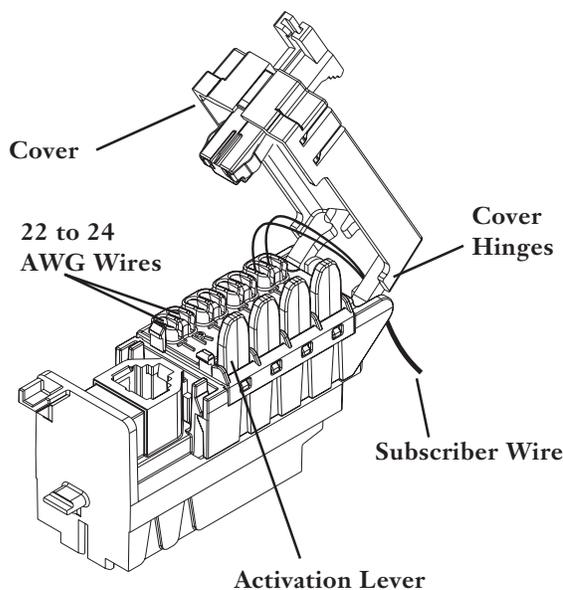


Figure 7 — Insert and Test Subscriber wiring

- Step 5** Insert the tip and ring wires to a depth of approximately  $\frac{5}{8}$  inch into their corresponding holes marked by a “T” and “R”.
- Step 6** Hold the wires in place and pull the activation lever back to the upright position away from the wire holes. Gently pull on wires to verify connection.
- Step 7** Dress the wires down the side of the NID and remount the module cover on its hinges, if it was removed.
- Step 8** Close the module cover and check activation lever position through cover. It should be in the connected position as seen in Figure 6.

## 8. Subscriber Module Testing

- Step 1** Connect to the test contact point (Figure 6).
- Step 2** Open cover.
- Step 3** Each line connection can be checked individually by moving the levers between the connected and disconnected positions as needed without disturbing the wires. Test according to standard practices.