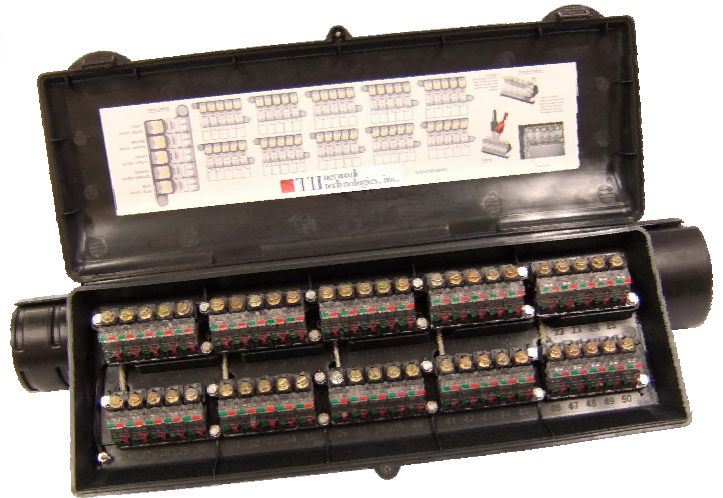


INSTALLATION NOTE



Model 605-5



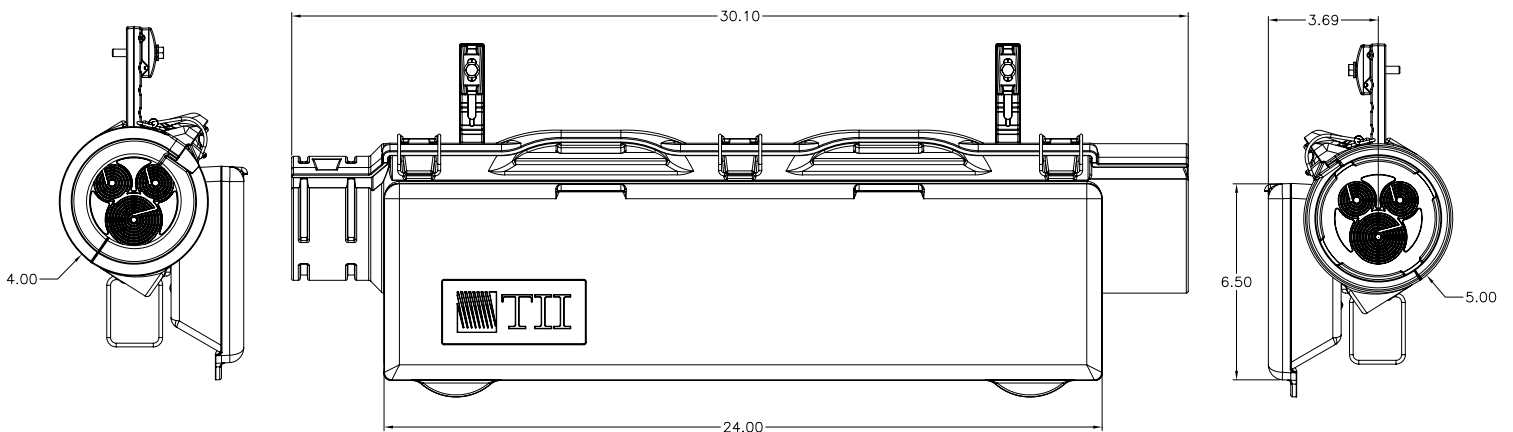
Model 605-50

1. General

1.1 The Series 605 Aerial Terminal Enclosure with external bonding hanger brackets are designed for fixed count terminating, non-protected up to 50 pair. The 5" x 30" (127mm x 762mm) terminal is available empty to handle configurations of 5 thru 50 pair. It can accommodate a 3" (76mm) diameter splice bundle and cable up to 1.75" (44mm) diameter.

1.2 The ADX-5T terminal block is filled with a gel sealing compound to provide environmental protection.

1.3 Dimensions:



2. Warranty

2.1 See TII Warranty. If this unit fails during the warranty period, the factory should be requested to authorize return. Return the unit prepaid. Units that fail due to normal wear or abuse should be discarded.

3.0 Carton Contents

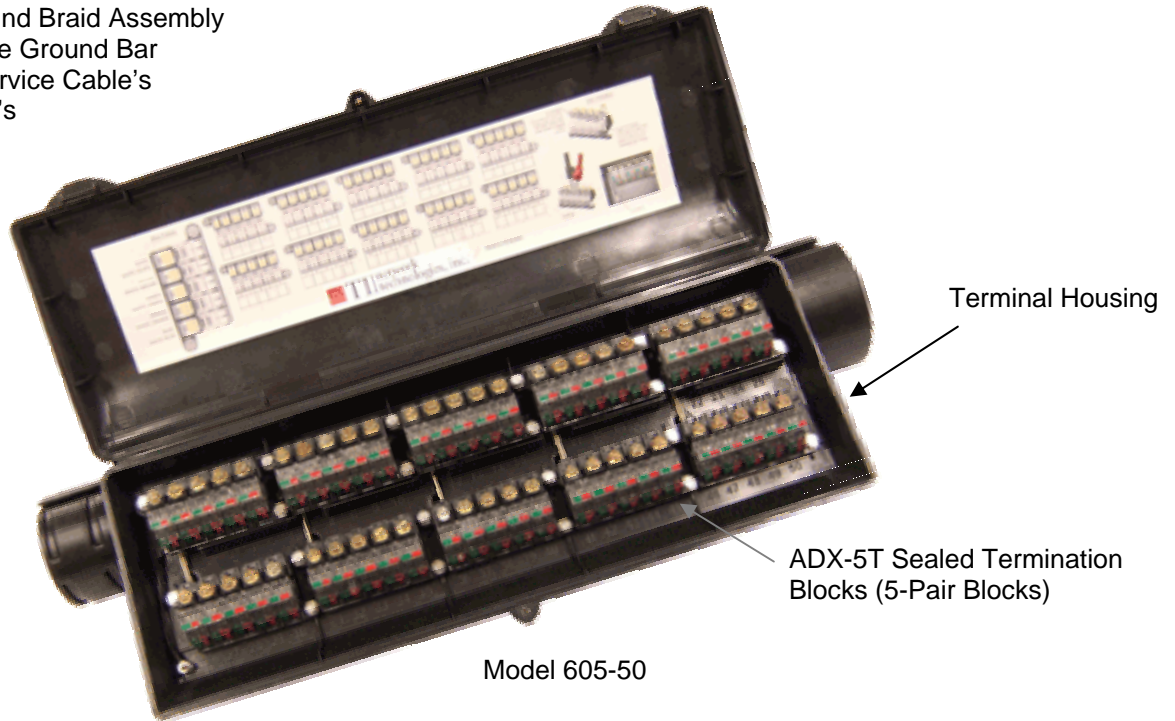
- 3.1 Product Contents are as follows:
- (1) Sealed Aerial Terminal Body
 - (1-10) Sealed Termination Blocks (ADX-5T)
 - (2) Aerial Hangar Straps
 - (3) Stainless Steel Latches

3.2 Additional Materials Required

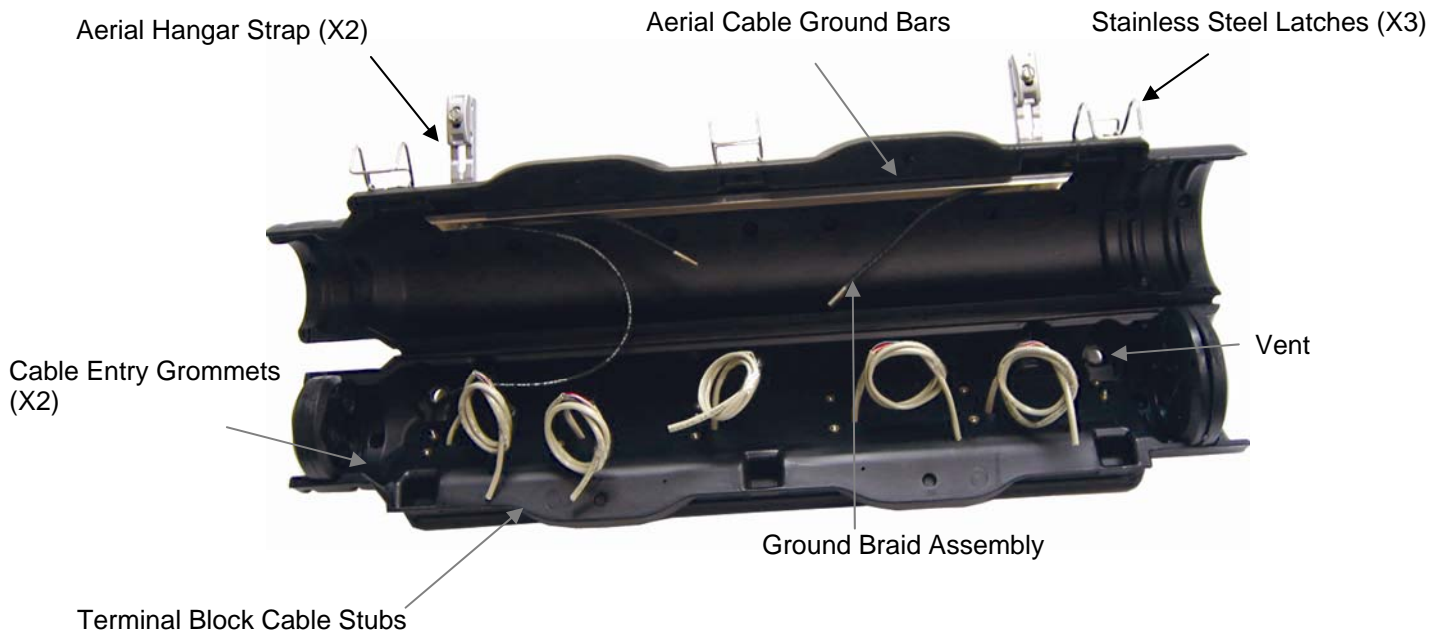
- Cable Ties
- Cable Spacers
- Vinyl Tape
- Moisture Resistant Splicing

Connectors

- (2) Entry Cable Grommets
- (2) Ground Braid Assembly
- (1) Cable Ground Bar
- (1-5) Service Cable's
- (2) Vent's



Model 605-50



4.0 Cable Preparation

4.1 Prepare cable and strand as shown in Figures 1 & 2.



Figure 1

Note: Suggested method in preparing the outer sheath on both single and double sheath cables.

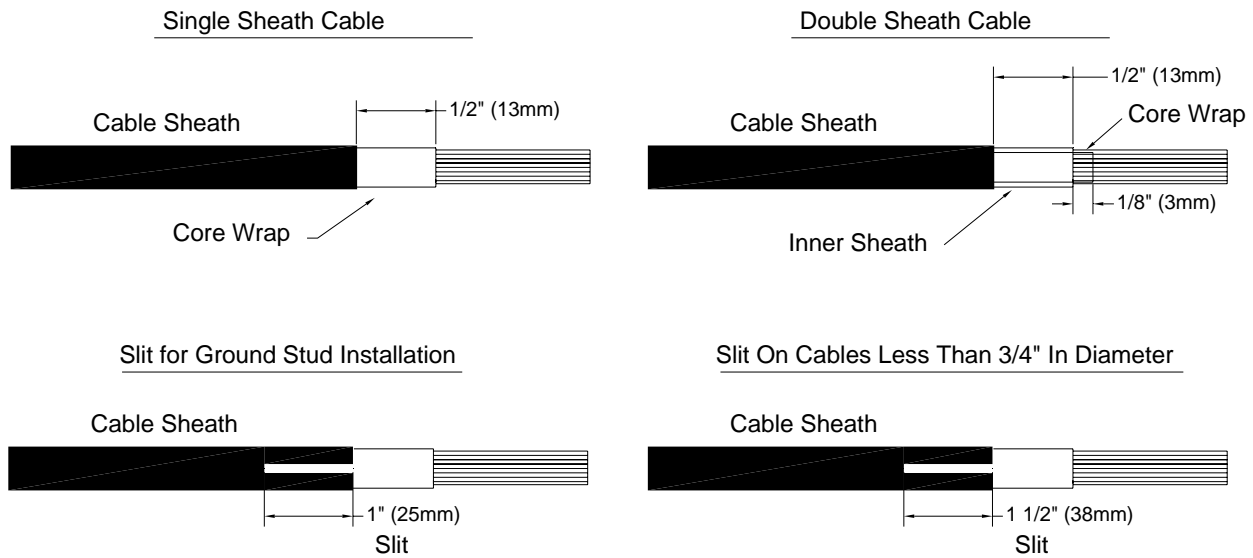


Figure 2

5.0 ADX-5T Terminal Block Installation

5.1 Select the proper mounting configuration in the terminal housing for the desired terminal block locations (See Figure 3).

Note: Feed hole for the Terminal Block Tails is larger and sits to the far left.



Figure 3

Note: Any combination can be configured up to 50 pair.

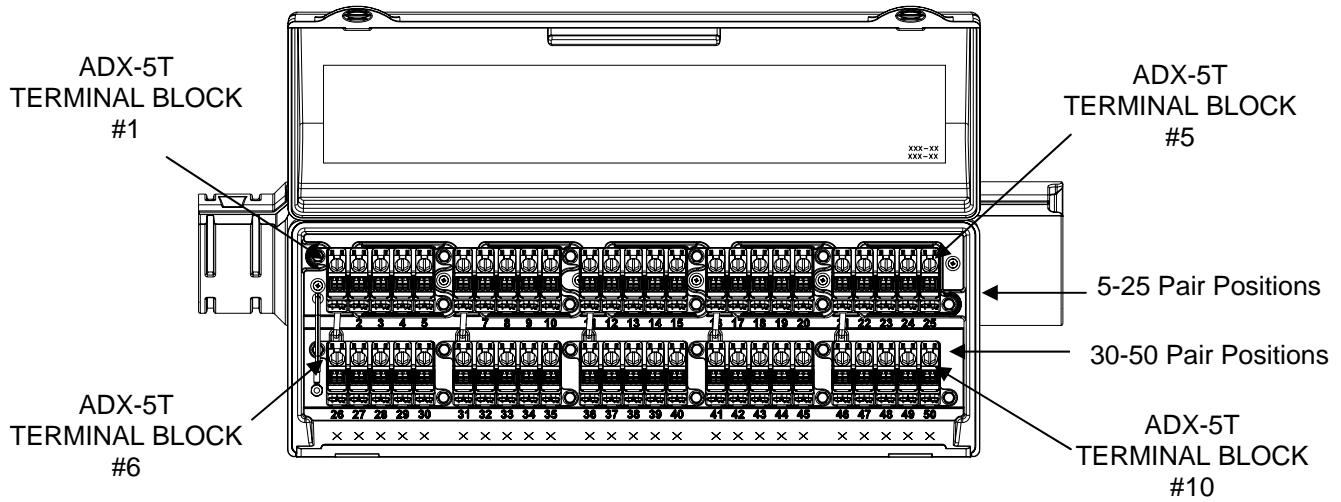
5.2 Feed terminal block stub through appropriate hole(s) in box leading to the splice chamber.



Model 605-5

Terminal Block Stubs In Splice Chamber

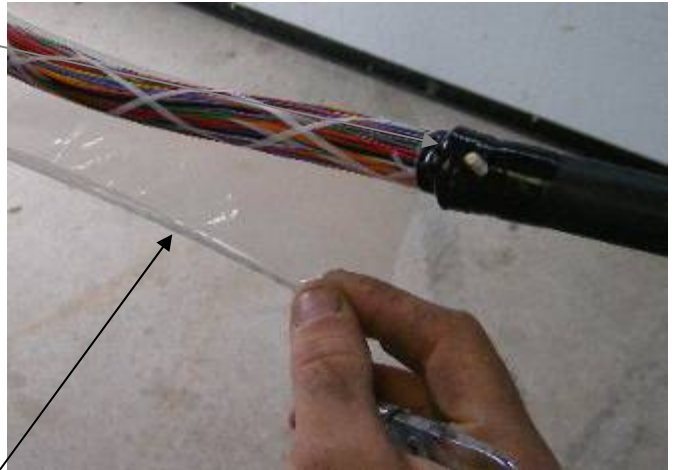
5.3 Mount the terminal block(s) in multiple of five as required.



5.4 The Model 605-50 is equipped for mounting up to (10) ADX-5T sealed terminal blocks.

6.0 Terminal Installation, Bonding and Splicing

6.1 Bond the cable shield with approved shield bond connectors
Per approved practice.



6.2 Apply 4 – 5 wraps of vinyl tape around bond clamps then
Remove the pair protector

6.3 Select binder group to be spliced, and mark using standard practice.



6.4 Mount terminal to strand. Terminate shield bond connectors to terminal closure ground bond straps; ensure bond clamps are pointing forward.



6.5 Using rip cord remove necessary amount of jacket from tail of ADX-5T blocks.

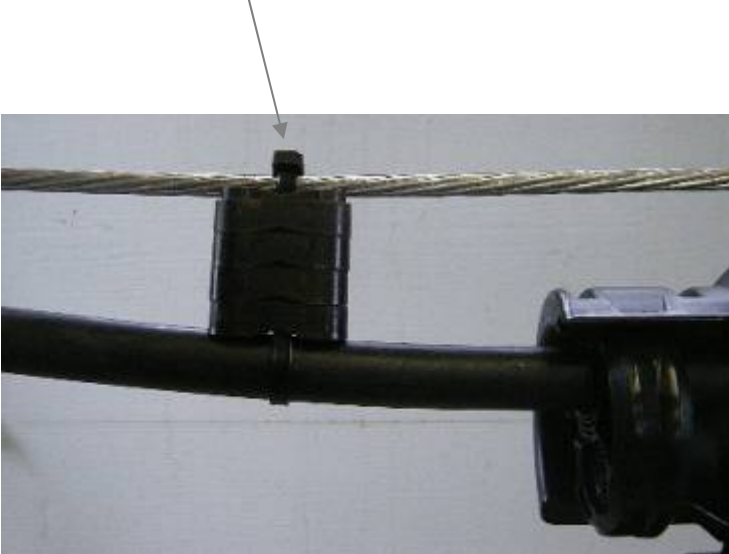


6.6 Splice as per standard practice.



6.7 Cable should be tie wrapped to the ground bar at each end for strain relief.

6.8 Install cable spacers as per standard practice.

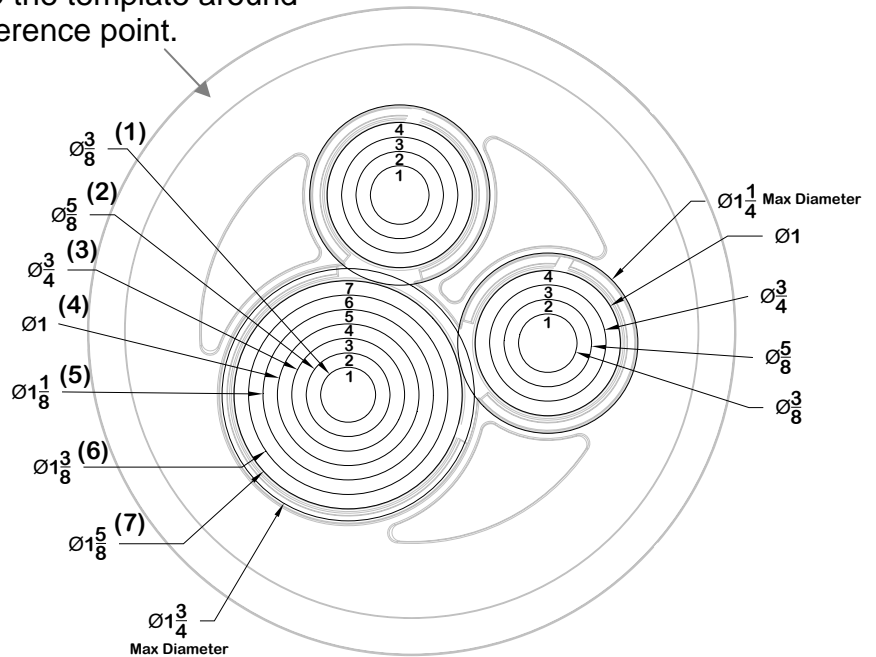


7.0 Cable Entry Grommet Installation

7.1 Cut the cable entry grommet from the outside edge to the appropriate ring diameter that matches the Aerial Cable Diameter.

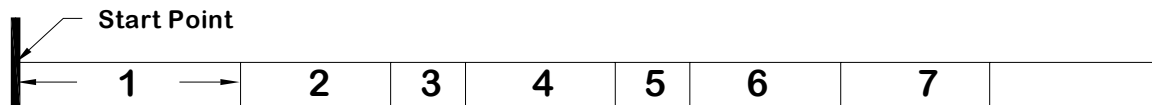


7.2 The Grommet is labeled 1 thru 7, the diameters are listed per the drawing to the right. For best results cut out circumference template at the bottom of the sheet. Wrap the template around the cable using the start point as your reference point.



*The template has been perforated for easy removal, please tear down perforated lines.

Circumference Template



7.3 Cut end caps to fit cable, install in each end of terminal, and ensure a snug fit around cable. A wrap of vinyl tape should be placed around each unit.



7.4 Install Cable Entry Grommets on the end of each cable and position in body enclosure.



8.0 Adding or Changing Terminal Blocks

8.1 Using standard 7/16" terminal wrench remove existing ADX-5T block by backing out 2 nuts on each side of block.



8.2 Remove block by pulling straight out.



8.3 Open new ADX-5T block and inspect. Insert tail of ADX-5T block into hole in terminal, left of mounting space.



8.4 Align block with mounting holes in terminal housing



8.5 Tighten mounting nuts one half turn past tight, do not over tighten.



9.0 Replacement of Gel-filled ADX driver.

9.1 Using standard 7/16" terminal wrench, back driver nut off all the way out.



9.2 Using either your thumb and forefinger or a flat screwdriver, lift the back lock of the driver off of the glide plate.



9.3 Remove the defective driver.



9.4 Remove a new driver from its packaging and inspect it. Place the new driver over the glide plate, align with driver hole and snap into place.



9.5 Using standard 7/16" terminal wrench, fully tighten the driver into the down position, ensure driver is all the way down as it will affect the functionality of the tool-less connector if it is not.



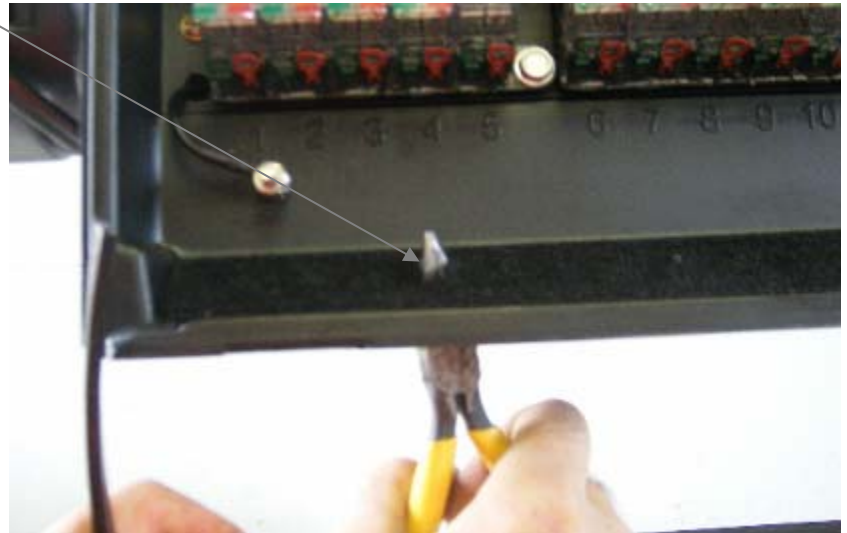
10.0 Drop Wire Termination



10.1 Open terminal box door.

10.2 Prepare Wire / Cable Per Standard Practice.

10.3 Using needle-nose pliers, push up through bottom of terminal to accommodate wire installation.



10.4 Route wire through wire guides outside terminal.

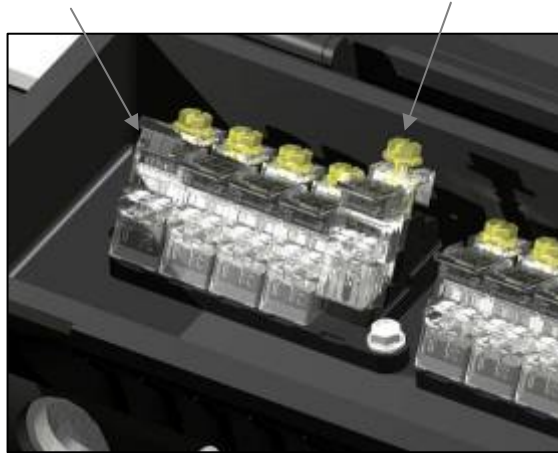
10.5 Insert prepared wire/cable through access holes in the aerial enclosure. Use locking clip or tape to eliminate pull out of drop.



10.6 Tool-less rocker accepts 22-24awg wire, lower ports
To terminate 18.5-24 AWG wire (driver bolt actuated).

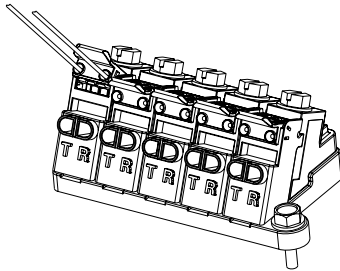
Upper Ports
Tool-less IDC Rockers

Lower Ports
Driver Bolt Mechanism

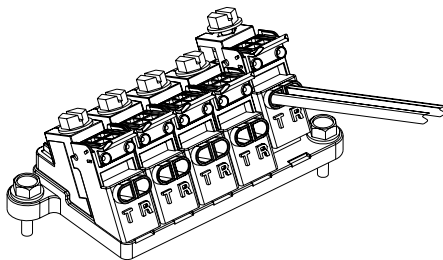


10.7 Upper Ports of tool-less IDC rockers accept 22-24
AWG wire. Lift rocker to full upright position. Insert wires.
Lower rocker to full down position.

Note: *There is no need to open the driver to terminate 22-24
AWG wire.*



10.8 Lower Ports terminate 18.5-24 AWG wire. Raise
Driver bolt mechanism to full up position by turning driver
bolt counter-clockwise. Insert Tip/Ring pair into lower
ports. Lower Driver to Fully seated position.



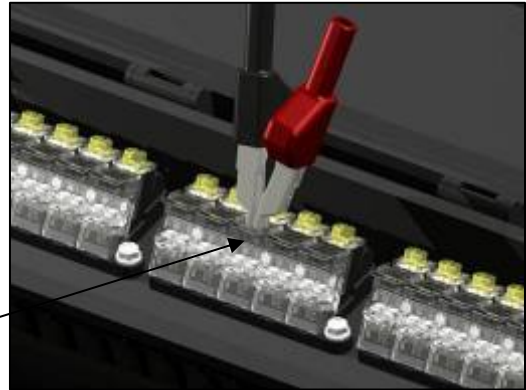
10.9 Complete termination log.

10.10 Close door and check for proper sealing.

11.0 Testing

11.1 Insert test clips into test ports and follow company procedure for testing.

Sealed Test Point Access
Tip/Ring (Butt Set Accessible)



12.0 Accessories

- TII ADX-5T 5-Pair Gel Filled Terminal Block 20 Blocks
- 00193501 Special Service Red Marker Tag For ADX-5T, 20 bags (100pcs / bag).
- 00193601 Replacement Gel Filled Drivers 5 sleeves (5pcs / sleeve)
- 00194101 Replacement Rubber End Seals (Pair) 20 pairs.