

648-930

# SLT3S™

## S I N G L E L I N E T E S T E R

### INSTRUCTIONS FOR USING THE SLT3S

The SLT3S is used to verify (or indicate wiring errors in) 2, 3 and 4 pair voice and data channels on both UTP or STP cabling. The continually sequencing LED display provides instant indication of any shorts, opens, reversals or miswires. The SLT3S tester includes a nine volt battery.

The Master and Remote units separate for end-to-end testing of installed cabling. The SLT3S tester should be used to check each channel back to the Main Distribution Frame, verify cross connections and test all line cords.

Frame adapters are available to connect the tester to KATT PDS and other block based applications.

### TROUBLE SHOOTING: SYSTEM TO DROP (UTP)

If there are a large number of tests to be performed or if the tests involve substantial distances, MOD-TAP recommend using two people and a set of walkie talkies.

MOD-TAP have used the finest contact sets available in the SLT3S. We do however, recommend that a short line cord be plugged into the tester and that the line cord be used to connect and disconnect to/from the channel under test. This will reduce wear on the tester contact set and ensure long term, reliable operations.

1. Select the appropriate jacks on the SLT3S tester for the wiring scheme to be tested.
2. Attach the Remote unit at the drop location.
3. Attach Master unit at the main cross connect. Use frame adapter if required.
4. Read the LEDs as per chart 1.
5. If the channel tests good, go to step 6. If the channel tests bad, mark the frame with a red marker tag.
6. Test the next channel as above.
7. Go back and repair each channel marked with a red tag.
8. Go on to the next frame if applicable.

### STP TESTING

1. Select the appropriate jacks on the SLT3S for the wiring schedule
2. Connect REMOTE unit to floor outlet using SHIELDED PATCH CORD
3. Connect MASTER unit to main cross-connect port using SHIELDED PATCH CORD
4. With the MASTER Shield Switch set in the OFF position, verify pair continuity using Chart 1
5. With MASTER Shield Switch set to TEST position, verify Shield Continuity as below

| MASTER                 | REMOTE          |
|------------------------|-----------------|
| Green 1 and OK LEDs ON | GREEN OK LED ON |

CHART 1 For USOC, 568A and 568B

| Master              | Remote              | Diagnosis           |
|---------------------|---------------------|---------------------|
| LED on (Green)      | LED Green           | Good channel        |
| LED on (Green)      | LED Red             | Reversal            |
| LED on (Green)      | Led off             | Short within pair   |
| 2 LEDs on (Green)   | 2 LEDs on           | Short between pairs |
| LED off             | LED off             | Open                |
| LED out of sequence | LED out of sequence | Transposed pairs    |

CHART 2 The SLT3S will check pairs according to the following chart:

| USOC   |        | USOC   |        | 568A | 568B |                    |
|--------|--------|--------|--------|------|------|--------------------|
| 6 Wire | 8 Wire | 568A   | 568B   |      |      |                    |
| 4<br>3 | 5<br>4 | 5<br>4 | 5<br>4 |      |      | Pair 1<br>(#1 LED) |
| 2<br>5 | 3<br>6 | 3<br>6 | 1<br>2 |      |      | Pair 2<br>(#2 LED) |
| 1<br>6 | 2<br>7 | 1<br>2 | 3<br>6 |      |      | Pair 3<br>(#3 LED) |
|        | 8<br>1 | 7<br>8 | 7<br>8 |      |      | Pair 4<br>(#4 LED) |

| Part No.        | Description   |
|-----------------|---|
| 33-100-10       | SLT3S Tester  |
| 33-100-10       | Carry Case for SLT3S Tester                         |
| 33-100-P        | AT&T 110 (USOC) Frame                               |
| 33-578          | AT&T 110 to 568B                                    |
| 33-578-81       | KATT PDS Patch Cord 4 Pr to 4 Pr RJ45 1m Category 5 |
| 36.0B.011.B0010 |   |



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## BATTERY REPLACEMENT

The SLT35 has an Auto-Off feature that extends the battery life; however should the battery need replacing please follow these instructions:

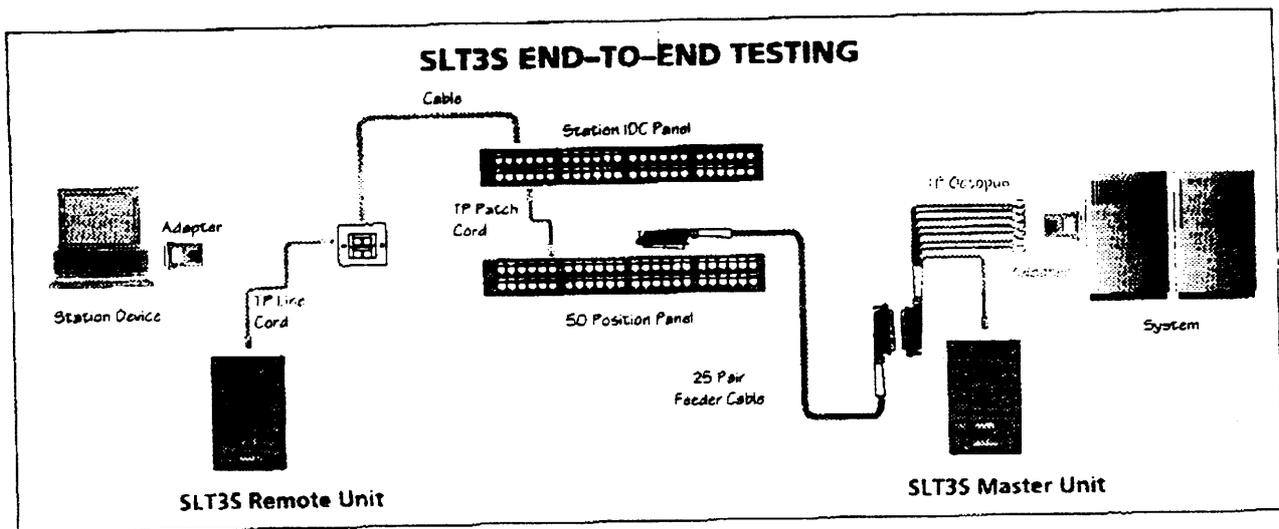
The battery is located in the Master unit only.

1. Remove the screws from the back of the Master unit with a #0 Philips screwdriver. Set screws aside
2. Remove and replace the 9 volt alkaline battery.
3. Replace the cover and screws, being careful not to over tighten the screws.

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## TESTER FRAME ADAPTERS

A frame adapter converts one channel on a distribution frame block to a modular jack. These adapters allow testing through the distribution frame connections.



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