35 TRANSMITTER DISTRIBUTOR

ACTUAL WIRING DIAGRAMS

CONTENTS PAGE
1. GENERAL .......................... 1
2. DIAGRAM INDEX ................. 1

1. GENERAL

1.01 This section provides actual wiring diagrams for the 35 transmitter distributors.

1.02 The section is reissued to include the most current wiring information. Since this is a general revision, marginal arrows have been omitted.

1.03 Schematic wiring diagrams for the transmitter distributors will be found in the appropriate section for the set with which they are used.

2. DIAGRAM INDEX

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>DRAWING NUMBER</th>
<th>ISSUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmitter Distributor</td>
<td>5814WD</td>
<td>10</td>
</tr>
<tr>
<td>LXD803 (Bell 35A), LXD804 (Bell 35B), LXD809</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transmitter Distributor</td>
<td>6503WD</td>
<td>3</td>
</tr>
<tr>
<td>LXD807, LXD828</td>
<td></td>
<td></td>
</tr>
<tr>
<td>35 Transmitter Distributor</td>
<td>7138WD</td>
<td>5</td>
</tr>
<tr>
<td>LXD805 (Bell 35C), LXD806</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**VIIRING LEGEND:**

- DISCONNECT
- TERMINATING AREA
- TERMINAL DESIGNATION
- WIRE COLOR CODE

**WIRE COLOR CODE:**

- **BK** - BLACK
- **BR** - BROWN
- **G** - GREEN
- **BL** - BLUE
- **P** - PURPLE
- **W** - WHITE
- **S** - SLATE

**CONNECTER VIEWED FROM BOTTOM.**

**ALL CONTACTS SHOWN IN UNOPERATED POSITION.**

**66V DC ± 10% POWER TO BE USED ON CLUTCH TRIP MAGNET ASSEMBLY CIRCUIT WITH AN EXTERNAL 500 OHM RESISTOR.**

**THE 195648 STRAP IS NOT PRESENT IN EARLY MANUFACTURED UNITS.**

**154166 ARC SUPPRESSOR ON LXD 804 ONLY. DISCONNECT ONE ARC SUPPRESSOR LEAD WHEN STROBING SIGNAL GENERATOR.**
1. **Wiring Legend:**

- **Distant Terminating Area**
- **Distant Terminal Designation**
- **Wire Color Code**

2. **Color Code:**

- BK - BLACK
- W-BK - WHITE-BLACK
- BR - BROWN
- W-BR - WHITE-BROWN
- R - RED
- W-R - WHITE-RED
- O - ORANGE
- W-O - WHITE-ORANGE
- Y - YELLOW
- W-Y - WHITE-YELLOW
- G - GREEN
- W-G - WHITE-GREEN
- BL - BLUE
- W-BL - WHITE-BLUE
- P - PURPLE
- W-P - WHITE-PURPLE
- W - WHITE
- W-S - WHITE-SLATE
- S - SLATE

3. **Connector Viewed From Bottom.**

4. **All Contacts Shown In Unoperated Position.**

5. **Shielded Cable 179635 Used On LXD 807**
   - **Main Cable #10664**
   - **Shielded Cable 304561 Used On LXD 28.**

6. **19527 Network, Spark Suppressor Used On LXD 807 And LXD 28.**

---

**Transmitter Distributor Clutch Magnets**

- Transmitter Distributor Signal Generator
- Filter Network (Note 5)
- Transmitter Distributor Connector (See Note 3)

**Control Lever Contact Assembly**

**Tape-Out Contact Assembly**

**Transmitter Distributor Connector Plug (Note 5)**

---

**Actual Wiring Diagram For Transmitter Distributor LXD807, 28**

**Approvals**

**Teletype Corporation 56503 WD**
1. **WIRING LEGEND:**
   - DISTANT TERMINATING AREA
   - DISTANT TERMINAL DESIGNATION
   - WIRE COLOR CODE

2. **COLOR CODE:**
   - BK - BLACK
   - BR - BROWN
   - R - RED
   - O - ORANGE
   - Y - YELLOW
   - G - GREEN
   - BL - BLUE
   - P - PURPLE
   - W - WHITE
   - S - SLATE
   - RED
   - ORANGE
   - WHITE
   - BLUE
   - GREEN
   - RED
   - ORANGE
   - WHITE
   - BLUE
   - GREEN

3. CONNECTOR VIEWED FROM WIRE SIDE.

4. **ALL CONTACTS SHOWN IN UNOPERATED POSITION:**
   - CONTROL LEVER IN STOP POSITION

5. **115 VAC 10% POWER TO BE USED ON CLUTCH TRIP MAGNET ASSEMBLY CIRCUIT:**
   - COIL ASSEMBLY (100 W COIL ASSEMBLY)
   - CURRENT MUST BE LIMITED TO 100 MA BY AN EXTERNAL RESISTANCE
   - (COIL RESISTANCE = 74A EACH) FOR 120 VAC 80% POWER.
   - (COIL RESISTANCE = 100 MS EACH) FOR 48 VAC 10% POWER.
   - EXTERNAL RESISTANCE OF 390 4-10 REQUIRED.

6. **ASSOCIATED CABLE:**
   - 74093

7. **DISCONNECT ONE ARC SUPPRESSOR LEAD WHEN STROBING SIGNAL GENERATOR:**
   - REMOVE ARC SUPPRESSOR WHEN LXO IS USED ON LOW VOLTAGE SYSTEMS.

8. **CROSS REFERENCE ACTUAL TO SCHEMATIC:**
   - WD NO. NAME
     - 4729 WD LX08800
     - 7487 WD VSL 303

9. **NOTES:**
   - (SEE NOTE 5)

10. **NUMBERS IN PARENTHESES DO NOT APPEAR ON PARTS**
    - 156541 TRANSMITTER DISTRIBUTOR CLUTCH MAGNETS
    - 156039 CONTROL LEVER CONTACT ASSEMBLY
    - 156032 TAPE-OUT CONTACT ASSEMBLY
    - 156034 AUXILIARY CONTACT ASSEMBLY
    - 156056 CODE READING CONTACT ASSEMBLY