

## Installing Rotatone in a Western Electric 500 Series Telephone

### **Step 1 – Test the Phone**

- Test the phone prior to Rotatone installation to ensure that it works properly. (dial, transmit, receive, ring)

### **Step 2 - Install the Polarity Guard**

- Remove slate-brown wire from the “C” terminal on the network and attach it to one of the screw terminals on the polarity guard.
- Attach the white wire from the polarity guard to the “C” terminal on the network.
- Remove the Slate-White wire from “RR” on the network and attach it to the other screw terminal on the polarity guard.
- Attach the green wire from the polarity guard to the “RR” terminal on the network.
- Test the phone to ensure that it still works properly. (dial, transmit, receive, ring)

### **Step 3 - Disconnect Dial Wires from Network**

- Remove blue dial wire from “F”
- Remove green dial wire from “RR”
- Remove white dial wire from “GN”
- Remove white dial wire from “R”
- Install 100 ohm resistor between “F” and “RR” terminals on network.
- Test the phone to ensure that it still works properly (transmit, receive, ring)

### **Step 4 - Install Rotatone Module**

- Attach orange/red wire from Rotatone to “RR” terminal on network.
- Attach blue wire from Rotatone to “C” terminal on network
- Attach orange wire from Rotatone to green wire from dial
- Attach pink (or white) wire from Rotatone to blue and one of the white wires from the dial.
- Attach brown wire from Rotatone to other white wire from dial.
- Test the phone to ensure that it is fully functional (DTMF dial, transmit, receive, ring)