

Installing Rotatone in a Automatic Electric 80/90 Series Telephone
With WA-1120-A Network

Parts Required

Rotatone Unit

Polarity Guard

5.1V Zener Diode of 100 ohm resistor

5 position terminal block

2 x 4" spade-spade jumper cables

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 the White Wire from Terminal 8 on the network and connect to first position of terminal block.
- Remove the Yellow Wire (that comes from the hookswitch) from Terminal 11 on the network and connect to one of the screw terminals on the polarity guard.
- Connect a jumper wire from the other screw terminal on the polarity guard to terminal 8 on the network.
- Connect the Green wire from the polarity guard to the 1st position on the terminal block (together with the white wire removed from terminal 8 on the network)
- Connect the White wire from the polarity guard to the 2nd position on the terminal block.
- Connect a jumper wire from the 2nd position on the terminal block to terminal 11 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 yellow dial wire from terminal 11 on the network.
- Remove blue dial wire from terminal 1 on the network
- Remove white dial wire from terminal 2 on the network
- Remove red dial wire from terminal 4 on the network
- Remove brown dial wire from network (if installed)
- Install 100 ohm resistor between the terminal 11 and terminal 1 on the network. (alternately, install a 5.1v Zener diode between terminal 11 and terminal 1 with white strip facing towards terminal 1)
- 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 1st position on terminal strip.
- Attach blue wire from Rotatone to 2nd position on terminal strip.
- Attach orange wire from Rotatone and yellow wire from dial to 3rd position on terminal strip.
- Attach pink (or white) wire from Rotatone and the blue wire from the dial to the 4th position on the terminal block.
- Attach brown wire from Rotatone and the white wire from the dial to the 5th position on the terminal block.
- Remove (or insulate) the red and brown wires from the dial as they are not required.
- Test the phone to ensure that it is fully functional (DTMF dial, transmit, receive, ring)

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