



HALCO PRODUCTS COMPANY

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Model 221 Plug-in Transformer for the Model 206 Clean Phone™ Confidentiality Notice

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Installation

1. If the Model 206 Clean Phone or the Model 216 Maintenance Cover is installed, remove the front panel by applying pressure while sliding the telephone up and pulling it away from the back box.
2. Remove the modular wall jack cover.
3. See the table in Figure 1 to determine the gauge of wire you require and the maximum length permitted between Model 206 and the Model 221 transformer.
4. **Model 206F:** Feed the wire through the bushing in the top center of Model 206F.
Model 206W: Feed the wire through the bushing located on the back surface of the back box, near the top center.
5. Tap out the wire guides in the side of the modular wall jack. Connect the black (-) wire and the yellow (+) wire as noted in Figure 2 for Model 206F and Figure 3 for Model 206W.

AWG	Feet	Meters	Miles
24	620	190	11
22	985	300	18
20	1585	480	30
19	1985	605	37
18	2500	760	47
16	3980	1210	75
14	6350	1935	1.2

Figure 1. Wire Gauge vs. Distance Table



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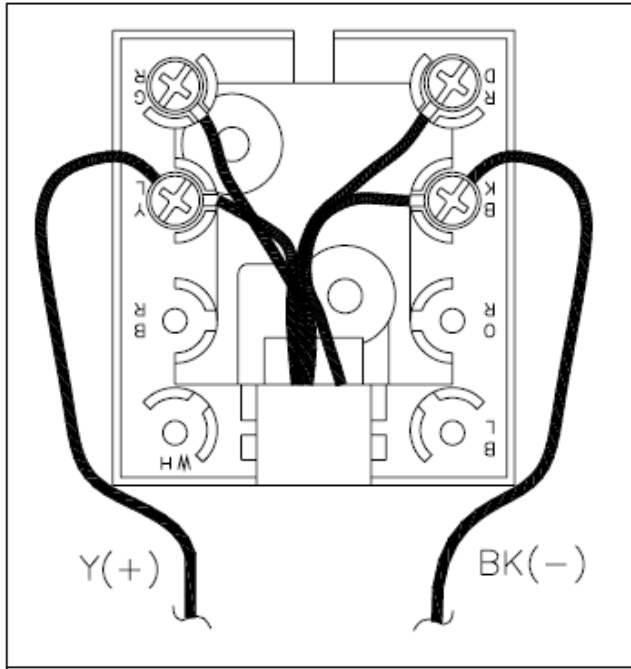


Figure 2. Wiring for Model 206F

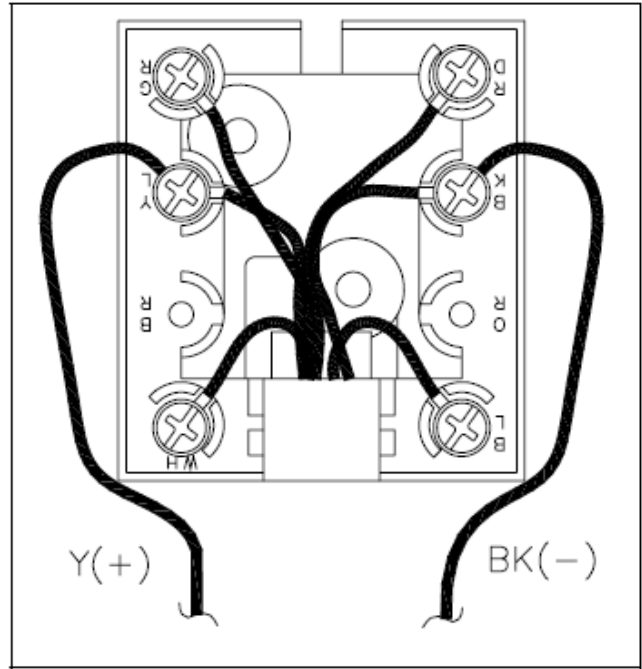


Figure 3. Wiring to Model 206W

- 6. Replace the modular wall jack cover.
- 7. If desired, replace the front panel by aligning the panel with the back box mounting holes and pressing the panel firmly in and then down.
- 8. Follow Figure 4 to connect the wires to the Model 221 Plug-in Transformer. Connect the yellow (+) wire to the terminal labeled COM. Connect the black (-) wire to the terminal labeled -48V.
- 9. Plug the transformer into a 115 V ac outlet. Figure 4. Transformer Details

Warranty

Equipment. Halco Products warrants for a period of one (1) year from the date of shipment, that any Halco Products equipment supplied hereunder shall be free of defects in material and workmanship, shall comply with the then-current product specifications and product literature, and if applicable, shall be fit for the purpose specified in the agreed upon quotation or proposal document. If (a) Seller's goods prove to be defective in workmanship and/or material under

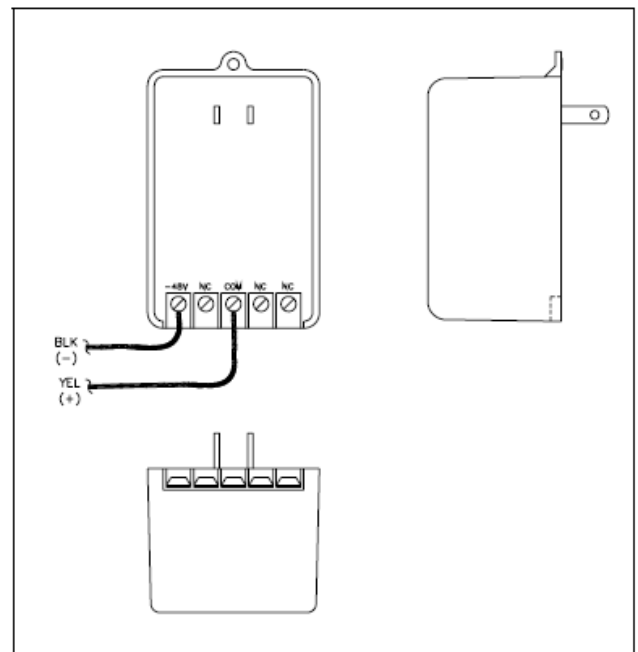


Figure 4. Transformer Details

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Reperformance

of services shall be Buyer's sole and exclusive remedy, and in no event shall Halco Products warranty obligations with respect to services exceed 100% of the total cost of services provided hereunder.

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Return Policy

If the equipment requires service, contact your Regional Service Center for a return authorization number (RA#). Equipment should be shipped prepaid to Halco Products with a return authorization number and a purchase order number. If the equipment is under warranty, repairs or a replacement will be made in accordance with the warranty policy set forth above. Please include a written explanation of all defects to assist our technicians in their troubleshooting efforts.

Call (888)U-CLEAN-5 (inside the USA) or 847-956-1600 (outside the USA) for help identifying the Regional Service Center closest to you.