3M

Signal Enhancer for Wireless Intercom Systems

78-9236-6517-4

Installation Instructions

PURPOSE

To "fill in" areas of poor radio coverage due to blockage of signal by large metal objects and to extend working distance from system base station

SPECIFICATIONS

- 1. MINIMUM distance from base station 25 feet
- 2. MAXIMUM cable length 150 feet
- 3. Cable Type RG-6U (not provided)

ADDITIONAL MATERIALS REQUIRED (not provided)

RG-6U Coaxial Cable (25 to 150 feet)

Mounting screws

Electrician's Putty (or Plumber's Putty)

INSTALLATION WITH A WIRELESS BASE STATION

1. Locate area in which enhanced radio coverage is desired (observe Maximum and Minimum distances and cable length)

NOTE: Obstruction-free line of sight to headsets is required with no large solid metal objects between Remote Antenna and headset.

- 2. Mount Remote Antenna as shown (minimum of 6 feet from the ground) using appropriate hardware
- 3. Turn OFF power to Base Station
- 4. Do not remove the liner from the double-stick tape yet. Lightly attach the Signal Coupler to the left-hand cover of the Base Station as shown in diagram with ®Scotch Tape.
- 5. Attach power wires to Base Station terminal strip. (Red = +12VDC, BLK = COMMON)
- 6. Connect RG-6U coaxial cable between Coupler and Remote Antenna.

NOTE: Be sure to form coaxial cable into a "drip loop" and secure to mounting surface when connecting to Remote Antenna

- 7. Turn on Base Station power (ensure the LED inside the Remote Antenna is lit).
- 8. Attach weatherproof cover to Remote Antenna and secure screws.
- 9. Cover outside cable connection with putty (or similar material) to protect from moisture damage.
- 10. Test the system range.

- Take a headset outside to just the point of losing contact. (intermittent signal)
- A second person would be inside with another headset.
- The outside headset transmits and the inside headset monitors.
- Move the pickup unit around over the base station cover until the best reception is achieved.
- Remove the hand from the coupler to verify that it is not affecting pickup.
- Permanently attach the Signal Coupler using the tape provided.

