
III) ANTENNA CONNECTION

Connect the Line Module to the Line antenna using the coaxial cable provided. For long-term out-door installations it recommended that the antenna connections be protected from corrosion by some suitable method (i.e. Tape Coat).

IV) TIP AND RING CONNECTION

Route the cable, providing tip and ring signalling from the central office, through the appropriate strain relief connector and terminate the tip and ring wires at the screw terminals labelled "T" and "R" respectively (**Figure 2**). Tighten the strain relief connector onto the cable finger tight. **Do not use a wrench!**

It is recommended that ground strap be used when making connections to the printed circuit boards in the Module enclosures. Failure to use a ground strap may result in permanent damage to the Module from static discharge!

V) POWER AND GROUND CONNECTIONS

The Line Module will operate from DC voltages in the range of 10 Vdc to 36 Vdc. Route cable providing the DC power and ground through the appropriate strain relief connector and terminate the wires at the screw terminals labelled "+" and "-". Terminate the earth ground wire at the screw terminal labelled "E" (**Figure 1**). Tighten the strain relief connector onto the cable finger tight. **Do not use a wrench!**

VI) CHANNEL SELECTION

Any of the eight channels may be selected; however, your selection must be the same for both the Line and Phone Modules. Using the dip-switches (**Figure 6**), select the desired channel and then momentarily press the button labelled "RESET". If interference is encountered, repeat the procedure with a different channel.

C) PHONE MODULE AND ANTENNA

I) MOUNTING MODULE

Identify and locate the Phone Module in a secure area suitable for obtaining access to power and the phone (Booth Header, Pedestal Module, etc.). The location selected must allow for connection to the antenna. Fix the Module to the desired location using the two screws provided.

II) MOUNTING ANTENNA

To comply with FCC requirements for RF exposure, antennas must be installed such that no persons will be closer than 20 cm from any part of the antenna while operational. Using the hardware provided, select and install the Line antenna in the desired location. For mast type antenna installations keep the mast as close as possible to the Line Module. Antennas must be installed a least two metres above grade. **Masts are not provided as part of the TelePATH Millennium system.** Where directional antennas are employed, the antenna elements must be oriented vertically (**Figure 1**). For optimal system performance the antenna should be mounted as far above grade as possible. Where Phantom antennas are employed, mounting is possible by drilling a 1" hole through the surface on which the antenna will be mounted provided the surface is no thicker than 1/4". Alternatively, an L bracket with a 1" hole and three mounting holes is supplied.

III) ANTENNA CONNECTION

Connect the Phone Module to the antenna using the coaxial cable provided. For long-term out-door installations it recommended that the antenna connections be protected from corrosion by some suitable method (i.e. Tape Coat).

IV) TIP AND RING CONNECTION

Route the cable, providing tip and ring signalling to the phone, through the appropriate strain relief connector and terminate wires at the screw terminals labelled "T" and "R" (**Figure 3**). Tighten the strain relief connector onto the cable finger tight. **Do not use a wrench!**