

Refer to Chapter 7: “Specifications” for a more detailed description of environmental requirements. Keep in mind that the long term stability of this equipment will be enhanced if the environmental conditions are less severe than those listed in this manual.

2.1.2 Maintenance

The 9150 has no internal option switches and does not require physical access; all configuration settings are done remotely (see Chapter 3: “9150 Main Configuration”). Environmental and radio communication considerations do still apply.

2.1.3 Power And Antenna Cables

To prevent accidental disconnection and stress on the 9150, antenna and power cables should be secured within 30 cm of the unit. Secure the cables with ties to the cable tie mounts on the 9150 (see Figure 2.1 on page 17). A single phase power outlet (range 100 to 240VAC rated 1.0A minimum) should be installed within one metre (3.1 feet) of the 9150. The 9150 automatically adjusts to input within that power range. The power cable is removable and is available in the power type specific to your location.



Warning: *To avoid electric shock, the power cord protective grounding conductor must always be connected to ground.*

There are several omnidirectional antennas available from Teklogix. The type of antenna required for each installation depends on the coverage requirements and the frequencies used. Generally, a site survey determines the appropriate antenna. Teklogix can also provide special, directional antennas. Consult Teklogix service personnel for more information.



Warning: *Equipment requires professional installation. The installer is responsible for ensuring that the antennas, Mobile Mark Model No. OD12-2400 and CONIFER Model No. 26T-2400F, are exclusively for fixed, point-to-point operation; and fixed, point-to-point operation excludes the use of point-to-multipoint system, omnidirectional applications, and multiple co-located intentional radiators transmitting the same information. The maximum output power from the radio transmitter is 38.6 mWatts.*



Warning: *Never operate the 9150 without a suitable antenna or a dummy load.*

Connection to Outdoor Antenna: *Outdoor antenna to be earthed in accordance with International Standard EN 50083-1 (1993), “Cabled Distribution Systems for Television and Sound Signals - Safety Requirements”. The antenna must be installed by a qualified service person and installed according to local electrical installation codes. The antenna should be located such that it is always at least 15 ft (4.6 m) high and 10 ft (3 m) from the user and other people working in the area.*



Warning: *For RF safety considerations, users are not allowed to approach close to the antenna.*

Teklogix supplies the coaxial cable required to connect the 9150 to the antenna. When determining the location of the antenna, the coverage requirements of the antenna are considered in conjunction with the environmental requirements of the 9150.

The coaxial cable must be routed and secured using wire anchors and/or coaxial nail clips. A few extra inches of cable are required near the antenna and the 9150 to make disconnection easier.