JLH Labs

In Ground Unit & Pedestal Repeater Owner's Manual

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EMI Warning

This equipment has been tested and found to comply with the limits pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in an appropriate installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

(1) Reorient or relocate the receiving antenna.
(2) Increase the separation between the equipment and receiver
(3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
(4) Consult the dealer or an experienced radio or television technician for assistance.

About this Manual:

This manual provides the information required to successfully install and operate the Turf Guard Wireless Monitoring System.

Related Documents:

For more information on operating the Turf Guard Golf Vision user interface please refer to the Golf Vision user manual.

In-Ground Configuration:

The in ground unit is designed to be fully buried in soil below the turf level. It does not have any user serviceable parts. Do not attempt to open the unit. If the external plastic case becomes damaged in any way, please discontinue use of the device.

To install the in-ground unit, simply burry the unit in a vertical orientation with the stainless steel pins oriented parallel to the soil surface. If multiple sensors are employed at the same location, it is recommended that all sensors are buried at a consistent depth.

Prior to burial record the location and serial number of each sensor. This will allow you to correlate the sensor reading with their physical location.

The in-ground unit will operate for 2-5 years depending on placement location and distance to nearest above-ground unit. The unit will automatically shut-down when it's batteries are depleted.

Pedestal Repeater Configuration:

The Pedestal Repeater Configuration unit is designed to be used above ground with the antenna oriented towards the sky. For convenience it can be co-located with irrigation satellite pedestals.

The Pedestal Repeater Configuration requires a connection to a 110 VAC power supply. Always use a certified electrician to safely install the device. Always use the attached power supply unit included with the Pedestal Repeater. Never substitute third-party power converters.

Always use the integrated antenna, never detach, replace or modify the antenna.

Regulatory Information

FCC ID: TLMSOIL1. This device complies with Part 15 o the FCC rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.

Caution: Unauthorized modification or changes could void compliance with regulatory rules, and thereby your authority to use this equipment.

Warning: *To comply with the FCC and ANSI C95.1 RF exposure limits, it is recommended that the antenna for this device be installed so as to provide a separation distance of al least 20 cm (8 inches) from all persons and that the antenna must not be co-located or operating in conjunction with any other antenna or radio transmitter. It is recommended that the user limit exposure time if the antenna is positioned closer than 20 cm (8 inches).*