

OPERATIONAL DESCRIPTION CLUB-ALERT SYSTEM

1.0 General Description

The Club-Alert System is comprised of 5 transmitters and one receiver. Each transmitter is installed into the top of a golf club and the receiver is placed near or attached to the golf bag that normally contains the 'marked' clubs. Each club transmitter transmits a unique code at specific intervals. The transmitters and receiver are designed to provide a reliable communication link for a distance of approximately 100 feet. The receiver 'listens' for each of the club transmitters and provides a visual and audio alarm if a transmitter code is missing. If the missing clubs are placed back within range of the receiver, the warning will automatically cease.

2.0 RF Description

The transmitters for the Club-Alert system are comprised of a code generation chip and an RF modulator chip. The output of the RF chip is fed to a spiral antenna in the top of the device. This device is compliant with 47 CFR 15.231 as an periodic transmitter (§15.231 (e)). To minimize the package size, the code generation chip and the RF chip are stacked on top of each other. The identity code of each transmitter module is based on which of the code generation chip outputs is tied to the input of the RF chip. No tuning or alignment of the devices is required. All transmitters and receivers are preset by the manufacturer prior to shipping.