

## **Dolphin Interrogator**

The Dolphin Sentricon System consists of a transponder, sensor, interrogator and a Hand Held Dolphin. The following sentences will give a brief description of each of these units. The system is used to detect termites

The sensor is an electronic device that is sandwiched between the wooden monitoring devices of the Sentricon unit. The sensor is a passive device that can be consumed by termites. When this event occurs, the electronic state of the sensor is altered. This change of state of the sensor is the event that indicates the presence of termites within the Sentricon unit.

The Transponder is a device that contains all the electronics necessary to derive its power from the interrogator, detect the state of the sensor, and provide a unique identification code to allow PROLINX software to determine specific information about the Sentricon station.

The Interrogator housing contains visual displays and an audio alarm to give the user feedback regarding the status of the interrogator as well as the status of a Sentricon transponder. The 4 LED's list as followed a green LED on the left of the display window indicates POWER; Sensor status displays are placed in the center of the display. The two LED's are labeled ACTIVE and INACTIVE. The ACTIVE LED is colored red when termites are present and the INACTIVE LED is colored green when no termites are present. On the right side of the display is the CHARGE LED, which is colored yellow when plugged into a wall outlet. The Dolphin cradle on top of the black box is for IR data communication between the Dolphin and the Interrogator.

The Dolphin 7200 receives data from the Interrogator stores the data and confirms the data is correct and sends an ok signal back to the interrogator, to notify the operator of the status of the transponder.