



Component Specifications/Descriptions

Versus Technology “Infant Badge” model number VER-1900 and “DataBand” model number VER-1800 are an infrared transmitting badge with a RF supervisory signal. The DataBand is an adult version of the infant badge in that the only difference between the two badges is the type of the band that attaches to the person, with no modifications to the electronics. These badges are just two products used in the Versus Information Systems (VIS) to provide for quick and easy way to locate people and equipment.

The badges are a low power long lasting IR/RF transmitter that incorporate a three-volt lithium battery in the case along with PCB boards for IR/RF circuitry and alarm (PAS) circuitry and a PCB antenna.

Both infrared and RF signals are independent of each other which contain recognition code to identify the badge that is transmitting, along with motion status, battery status, and switch information. The RF signal is transmitted per FCC “Code of Federal Regulations” Title 47, Part 15 Subpart C, Sections 15.231 et seq.

When an alarm is activated the badge transmits a different code that identifies that an alarm has occurred along with the badges recognition code. There are two ways that the badge can be set in an alarm state; 1.) The first type of alarm is when a band on the badge is cut, this alarm will continue to transmit until the proper personnel deactivate the badge. 2.) The second type of alarm is a proximity alarm, when the badge enters a restricted area an alarm input is set. Upon exiting the restricted area the badge alarm input is cleared and RF transmissions are ceased.