



AN_480 Return Timer Data Sheet

In Brief

Return Timer is an intelligent timer designed to integrate into the Elite Voyager Radio System.

It shows on a large green led digital display the number of minutes since a member of staff attended the area.

Return Timer can be used with either an XL Wand or a Mesh Wand.

XL Wands can touch onto its connector can and read the internal serial number as if it were an iButton™ and this resets the timer.

Staff using Elite-ID Mesh Wands cause the Return Timer to reset when they approach it.

Data is logged into the Mesh Wand that can be used to record and monitor staffing performance.

A typical application for Return Timer is to show the time since a critical area has been serviced – eg rest rooms, parents room etc.

Operation

1. Return Timer counts minutes since last reset. Its LED displays show the incrementing minutes time count.
2. Return Timer uses its radio transmitter to regularly send out a “ping” containing its serial number. This is a short range radio transmission designed to cover a small distance, approx 3 to 5 metres.
3. If a member of staff carrying a Mesh Wand approaches near the Return Timer, the “ping” is received.
4. The serial number is recorded into memory and is used later to show when the member of staff was near this return timer.
5. The Mesh Wand also sends out a “clear” signal to the return timer which causes return timer to clear its minutes counter and display a “0”.
6. When the member of staff leaves the area the return timer records that the staff member has left – thereby showing elapsed time on location from arrival till exit.
7. Alternatively a normal XL Data Wand touched onto the connector can reads the serial number from Return Timer as if it were an iButton™ and this also resets the timer.

(A link is provided on Return Timer to disable the Transmitter.)

