LED Tag: Identifying Tag-Activating Sources

In addition to verifying proper zone coverage, a LED Tag (Figure 1) can be used to identify foreign Tag-activating sources to help preserve your Tags' battery life and prevent nuisance alarms.

Monitored zones emit a Tag-activating signal called the Tx Activation Field. When a Tag enters a zone's Tx Activation Field, it is activated. The system detects the activated Tag and takes appropriate action response.

However, there are sources that can activate a Tag other than a Tx Activation Field. When Tags are activated by these "foreign" sources, battery life is depleted and/or nuisance alarms can be caused. Therefore, identifying these sources will prolong Tag battery life and prevent nuisance alarms.

Using a LED Tag to identify activating sources

To identify activating sources with a LED Tag, use the following instructions:

1. Using a TAD, activate the LED Tag (Figure 2).
   NOTE: The Signal Strength LEDs of the TAD will **not** indicate the state of the LED Tag. Once activated the LED Tag's LED will illuminate when it is in a Tx Activation Field. Therefore, to verify the LED Tag is active, turn on the TAD and place the LED Tag near it. The LED Tag's LED should illuminate (since a TAD has a small Tx Activation Field associated with it).

2. With the LED Tag in your hand, slowly investigate each area for possible activating sources. The LED Tag's LED will illuminate when it detects an activating source. Note each activating source and keep Tags away from those sources.

   Some activating sources can be:
   - Computer Monitors
   - Unshielded computer cables
   - Television Sets
   - Medical Monitoring Equipment
   - X-ray and other imaging equipment
   - Fluorescent Lighting
   - Wireless Communication Devices

3. When finished, deactivate the LED Tag using a TAD.

Figure 1: The LED Tag

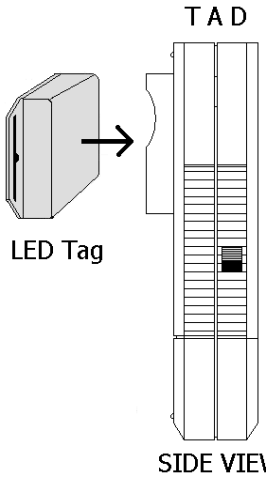

Figure 2: LED Tag in TAD

Proper Tag Storage:

Ideally, Tags should be stored:
- Turned off with a TAD
- In a metal container with lid
- At least 3 feet away from any possible activating sources

LED Tag: Verifying Proper Zone Coverage

DISCLAIMER: Due to each facility's unique environment, an LED Tag cannot give an *exact* measurement of zone coverage; it can only give an *estimation* of zone coverage. Furthermore, at this time, the LED Tag is not able to test Auxiliary Band Removal Receivers.

A LED Tag (Figure 1) is used to verify proper zone coverage during installation, adjustment, or testing of a monitored zone.

Proper zone coverage fully protects the intended area (door, elevator, hallway, or any other passageway) without extending into other areas (in front, in back, on sides, above, and beneath the intended area).

Monitored zones emit a Tag-activating signal called the Tx Activation Field. When a Tag enters a zone's Tx Activation Field, the system will detect the Tag and take appropriate action response.

A LED Tag can enter and detect a zone's Tx Activation Field **without causing alarms** making it a quick and easy way to verify proper zone coverage. This is not only useful in ensuring complete zone coverage but also in locating areas where a Tx Activation Field may be extending into common areas and causing nuisance alarms.

Using a LED Tag to verify zone coverage

To verify proper zone coverage with an LED Tag, use the following instructions:

1. Using a TAD, activate the LED Tag (Figure 2).
   NOTE: The Signal Strength LEDs of the TAD will **not** indicate the state of the LED Tag. Once activated the LED Tag's LED will illuminate when it is in a Tx Activation Field. Therefore, to verify the LED Tag is active, turn on the TAD and place the LED Tag near it. The LED Tag's LED should illuminate (since a TAD has a small Tx Activation Field associated with it).

2. With the LED Tag in your hand, slowly approach each zone at various angles and orientations. The LED Tag's LED will illuminate when it detects the zone's Tx Activation Field.

3. If you find that a zone's coverage is at unacceptable levels (too small, too big, extends too far in one direction), look for factors that may be affecting the zone (food carts, medical equipment, and/or building construction).

4. If you cannot locate any immediate causes, contact your system maintenance technician for further assistance.

5. When finished, deactivate the LED Tag using a TAD.

Figure 1: The LED Tag

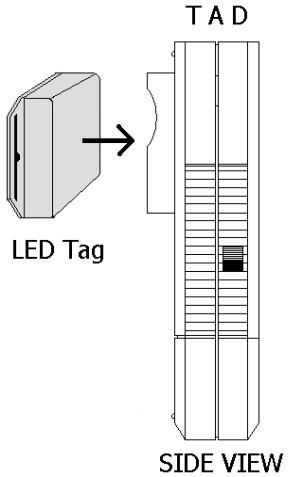

Figure 2: LED Tag in TAD