



## **RATH® WANDERPRO LC1200 SYSTEM SPECIFICATIONS**

### **GENERAL**

The purpose of this document is to specify the system specifications and bid criteria for the design, supply, installation, commissioning, and associated training for a RATH® WanderPro LC1200 System.

### **COMPANY OBJECTIVE**

The RATH® WanderPro LC1200 System is designed to assist staff in providing a high level of safety and protection for Alzheimer's, dementia and other "at-risk" residents. RATH® recommends that healthcare facilities follow the guidelines described by the Federal and State Government Agencies in accordance with Quality Measures.

- a. The RATH® system should be utilized as a component of a comprehensive protection plan and should not be relied upon to be the sole provider of said plan, but as an additional tool.
- b. To participate in the Medicare and Medicaid programs, nursing homes must be in compliance with the federal requirements for long term care facilities as prescribed in the U.S. Code of Federal Regulations (42 CFR Part 483).

### **WARRANTY**

The RATH® equipment, not including tags or consumables, shall be warranted by the manufacturer to be free of defects in material and workmanship for a period of one (1) year from the date of shipment from the factory.

The RATH® LC1200 System is listed under ETL 4004973; CAN/CSA STD C22.2 No. 205.

### **SYSTEM COMPONENTS**

The RATH® WanderPro LC1200 System may be composed of the following components:

- a. LC Controller- part # RC700098
- b. TX Wand- part # RC700099
- c. Keypad- part # RC650209
- d. Door Contact part- # RC650514 or Passive Infrared Reader- part # RC300302
- e. Cable Kit- part # RC700150
- f. Plug-In Power Supply- part # RC500224
- g. Central Power Supply, if applicable- part # RC500253
- h. NFPA 3101 Delayed Egress Magnetic Lock(s) if applicable- part # RC700228
- i. Fire Panel Interface if applicable- part # RC700013
- j. Elevator Deactivation if applicable- part # RC700027
- k. Identification Tag Activation/Deactivation (ID-TAD) handheld device- part# RC762015
- l. Staff Alert Panel- part # RC700096



- m. Graphic Display Panel- part # RC700065
- n. Start-Up Kit- part # RC950001-ID
- o. Wander Wearable Tag- part # RC77L017 (waterproof)
- p. Extra Bands & Rivots- part # RC100917-5
- q. LT Tag w/ Band- part # RC77L018-W (waterproof)
- r. LT Tag w/ Band- part # RC77L018 (water-resistant)
- s. SB Tag w/ Band- part # RC77L016
- t. Extra Gray Bands- part # RC100901
- u. Cable (22/6)- part # RC200305

## **SYSTEM FUNCTIONALITY**

The LC1200 wandering system is designed to be a turnkey, resident egress monitoring system and to alert facility personnel of the possible egress of a monitored resident(s). The LC Controller comes with the following features: single zone monitoring (Tag Detect), perimeter monitoring and stagger tuning capabilities.

The RATH® WanderPro LC1200 System shall create a perimeter around the monitored exit using the LC Controller. The LC Controller powers a Transmit (Tx) antenna, which emits a continuous 128 - 133 KHz signal, as well as a Receive (Rx) antenna. The TX antenna has the capability to be stagger tuned to eliminate cross talk for multiple zones in close proximity. This is achieved by adjusting the KHz signal emitted from each Tx antenna. When a resident tag approaches and enters the field of the Tx antenna (adjustable approximately 3-8 feet) it becomes excited and transmits a 418MHz signal to the internal receiver. To eliminate false alarms the Rx antenna also filters for interference & verifies an embedded data code, which is also transmitted from RATH® resident tags.

RATH® resident tags have the ability to be turned on or off. The ID-TAD (Identification Tag Activator/Deactivator) is the device that turns tags on and off using a secure passcode and allows staff to see tag warranty & useful battery % remaining in the tag(s). Once a tag (part # RC77L018-W, RC77L018 or RC77L016) is turned on and active it is has a red LED light that blinks to serve as an easy visual indication to the caregiver that the tag is on and functioning. Tags have been engineered for greater than 12 months usage and do not have an expiration date. The Wander Wearable Tag (part # RC77L017) has the ability to be turned on/off, however does not employ a visible LED.

Additional options are available. This system requires 110vac 2 amp outlet preferably on emergency back-up power at the location of each LC Controller unit.

For further information or a customized proposal please contact:

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