



Universal Transmitter

USER MANUAL

FCC ID: QUX-UTX-830



July 2007

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1. Foreword

The *HomeFree at Care Centers* system was designed to monitor special needs and Dementia individuals in the care center environment. The Universal Transmitter is one of the many unique elements of this system.

- 1.1. The UTX-830 is a small frame-head device, to be installed at internal or external doors of nursing homes and assisted living homes. The device is combined with a magnet on the door to detect door open / close status. When the door is open, the device shall transmit panic messages once every 18-22 seconds (random interval within this range), until closed door is detected. It will be possible to turn the UTX830 on and off by pulling out the battery (for saving battery life and for aviation safety while shipped). While UTX-830 is ON, it shall transmit a status message, once every hour, to indicate that it is still functioning and to report its battery level.
- 1.2. The UTX-830 is a stand-alone unit. It can be battery operated or externally powered by a dedicated AC adaptor; it has RF transmitter module, a microcontroller, which controls the UTX-830 operation, one PCB, and a door magnet.
- 1.3. The UTX-830 has one RF channel. It is 318 MHz carrier with FSK modulated data.

1.1. Activating the Universal Transmitter:

The Universal Transmitter is turned off by the manufacturer before shipment and must be activated before use. To activate, insert the battery into the battery case, and/or plug in the power supply to the correct jack.

Once the Universal Transmitter is working, it sends a status message to the monitoring station. The monitoring station then indicates the current battery status. This status message is sent until the Universal Transmitter is deactivated.

1.2. Activating a Panic Alert:

The UTX-830 sends a panic transition alert message to the monitoring station in the following way, activate the reed switch (Normally open / Close).

Once in panic alert mode, the Universal Transmitter sends a panic alert message to the monitoring station. This message is sent until the panic alert is deactivated.

1.3. Deactivating a Panic Alert:

Change the status of the monitoring device from Normally Open to normally close and vice versa.

Even though the panic alert has been deactivated, the Universal Transmitter is still working. Therefore, the Universal Transmitter still sends a status message to the monitoring station. This status message is sent until the Universal Transmitter is deactivated.

1.4. Deactivating the Universal Transmitter:

Holding the Universal Transmitter:

1. Take off the power supply from the unit.
2. Disconnect the battery from the case.

1.5. Cleaning Instructions

A soft brush and any cleaning solution are all that is needed to clean the Universal Transmitter.

Alcohol based solutions; Soapy water or Lysol can be used to clean the Universal Transmitter.

Holding the strap or leash, spray the Universal Transmitter (Panic Button) with cleaning solution of choice (see above).

Using a piece of cloth or a paper towel, dry the outer side of the Universal Transmitter. Lay the Universal Transmitter on the towel with its inner side facing up. Using a soft brush or another piece of cloth/towel gently scrub the inner side of the Universal Transmitter.

Dry the Universal Transmitter (Panic Button) using a piece of cloth/paper towel or simply let it dry.

2. FCC Notices

This note is applicable to the American Universal Transmitter (Panic Button)

NOTE

The Universal Transmitter complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and*
- (2) This device must accept any interference received, including interference that may cause undesired operation.*

This device has been tested and found to comply with the limits of the Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates uses and can radiate radio frequency energy and, if installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver.

- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

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