RA3TXW Wall Transmitter Guide

1   INTRODUCTION

The RA3TXW is a wall mounted transmitter that is compatible with the MXD and MXD3G PERS units. When the button is pressed, the RA3TXW will transmit a signal for help including battery status. If the battery is good the LED will be green. A low battery is indicated by a red LED. The RA3TXW will transmit for a minimum of two seconds for a short button press to a maximum of ten seconds for a long button press. The device is water resistant, easily mountable, and has a dealer replaceable battery. The RA3TXW has two modes of operation.

2   RA3TXW MODES OF OPERATION

The Mytrex RA3TXW Wall Transmitter can be set to operate in either Standard or Supervised Mode. The RA3TXW must operate in the same mode as the MXD or MXD3G. If the modes are not the same, a raspberry error sound will be heard during the *learning* process. In either mode, the RA3TXW transmitter must be *learned* in one of the PHB groups of the base unit.

2.1   STANDARD MODE (NON-SUPERVISED)

RA3TXW units are shipped in Standard Mode. In this mode, the LED will light steady when the button is pressed. The RA3TXW battery is automatically checked every six days. If the battery is found to be good, then no transmission will occur and the battery will be checked again in another six days. If the battery is found to be low, a low battery signal will be sent to the base unit and the RA3TXW will then check its battery every 24 hours thereafter.

To set the RA3TXW to Standard Mode:

1. Press the RA3TXW button seven times within two seconds.

2. Press the RA3TXW button and verify that the LED is on steady.

3. Repeat steps 1 and 2 if the LED is not on steady.

2.2   SUPERVISED MODE

In this mode, the LED will flash when the button is pressed. The RA3TXW transmits a supervisory signal to the base unit every six hours. The transmission indicates the functionality of the device and the battery status. This protocol does not comply with UL supervisory requirements. If UL compliant installation is required, please use the RA3TXWS.

To set the RA3TXW to Supervised Mode:

1. Press the RA3TXW button five times within two seconds.

2. Press the RA3TXW button and verify that the LED flashes.

3. Repeat steps 1 and 2 if the LED is not flashing.

3 RA3TXW INSTALLATION

Each RA3TXW is shipped with both 3M Command™ strips and rubber feet that can be attached to the back of the unit. The Command™ strips are ideal for customers who intend to mount the RA3TXW on the wall. The rubber feet are ideal for those who intend to place the RA3TXW on a night stand, table, or other flat surface.

For more information on installation of 3M Command™ strips, see www.command.com.

4 POWER SAVING AND LOW BATTERY DETECTION FEATURES

The expected runtime of the RA3TXW battery is five to seven years under standard operation. The RA3TXW will transmit for a minimum of two seconds for a short button press to a maximum of ten seconds for a long button press. If the RA3TXW button is held longer than ten seconds, the transmitter will assume the button is stuck and stop transmitting and turn off the LED.

If the stuck button is not remedied, the RA3TXW battery will fail prematurely; within several weeks as opposed to several hours without this feature.

4.1 STANDARD MODE WITH STUCK BUTTON

If the RA3TXW is in Standard Mode and the button is held longer than ten seconds, the RA3TXW will check the battery every 24 hours. If the battery is found to be low, the RA3TXW will transmit a low battery signal to the base unit. If the battery is not low, the RA3TXW will not send any transmission and will continue to wait for the button to be released before returning to Standard Mode.

4.2 SUPERVISED MODE WITH STUCK BUTTON

If the RA3TXW is in Supervised Mode and the button is held longer than ten seconds, the RA3TXW will stop transmitting and will not send supervisory signals until the button is released. The battery will not be checked by the RA3TXW while the button is in this stuck state. If the stuck condition is remedied, the RA3TXW will return to normal Supervised Mode.

5 NOTIFICATIONS:

1. The RA3TXW is shipped from the factory in Standard Mode.
2. Per UL1635 / UL1637, all stationary transmitters must be supervised. The RA3TXW supervisory protocol does not comply with these standards. If a UL compliant installation is required, please use the RA3TXWS.