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TekTone WCP-11-TEK 433MHz Wireless Call Point Transmitter User Manual

**TEK 433MHz Wireless Call Point Transmitter
User Manual**

Contents

Introduction

The WCP-11C-TEK is a 433MHz wireless call point transmitter supporting the PII System Receiver.

- 433MHz long range transmission
- Buttons: Call (red circle with white cross) Staff Emergency (Brown)

  Round (Purple)

  Check-in (green)

  Reset (dark grey)
- Indication LED
- RJ10 connection to handset
- Low battery voltage indication
- Optional tracking function
- Site code setting

System Overview

Functions
There are five buttons and a magnetic senor on the call box. An external handset with a call button can be connected to the call box. The five buttons on the call box are:

1. Staff Emergency
2. Call
3. Round
4. Check-in
5. Reset

There are two Reset functions:

1. Normal reset (0x0C) activated by press the Reset button
2. Handset Removal Reset (0x5C) activated by pressing the Reset button for 5s

The two functions activated by placing a magnet on the Reset button are:

1. Reset (place a magnet on the Reset button and remove from the Reset button)
2. Survey (placing a magnet on the Reset button and then press the Call button)

The other functions not activated by buttons are:

1. Handset Removal
2. Handset Plug-in
3. Tracking (enable or disable by flash programming or optional EEPROM)
4. Low Battery Voltage

Priority

While a function is being operated, the system ignores the lower priority conditions. For example, during a Staff Emergency Call is being operated, pressing the Call or the ound button does not have any effect. The Reset is a special function. Pressing the Reset button immediately overwrites any function being operated (except Handset emoval and Handset Plug-in functions). However, while the Reset function is being operated, it will be over-taken by any key pressing actions but not the Handset Removal, andset Plug-in, Low Battery Voltage, or the Track code. The priority is listed below with the Staff Emergency Call as the highest priority function:

- Staff Emergency Call
- Call
- Handset Removal
- Handset Plug-in
- Check-in
- Rounding and Survey (equal priority)
- Low Battery Voltage / Track Code

Condition	Functions	Signal	LED & Buzzer
Press Call Button	• To Call Signal with LED flashing	0006·	Beep x 1 ON for 5s ->Flash every 3s -> until reset
Press Call Button on handset	• To Call Signal with LED flashing	0006*	Beep x 1 ON for 5s ->Flash every 3s -> until reset
Press Reset Button	• To Reset Signal with LED function	000C	Beep x 1 LED flashes 3 times (0.5s ON -> 0.5s OFF)
Press Staff Emergency Button	• To Emergency Signal with LED function	0007	Beep x 2 LED flash (0.25s ON -> 0.25s OFF) -> until reset
Press Check-in Button	• To Checking Signal	0x01	Beep x 1 LED flashes 3 times (0.5s ON -> 0.5s OFF)
Press Rounding Button	• To Rounding Signal	0003	Beep x 1 LED flashes 3 times (0.5s ON -> 0.5s OFF)
Survey function	• To Call Signal with 3dB weaker with LED function	0006*	Beep x 1 LED ON -> until To finished
Tracking Code	• To Tracking Code IF not in Call or Emergency State.	Ox2C	N/A
Handset Removal	• To Handset Removal Signal	Ox04	Beep x 1 ON for 5s -> Flash every 3s
Handset Removal Reset	• To Handset Removal Signal Reset	Ox5C	Beep x 1 LED Flash 3 times (0.5s ON -> 0.5s OFF)
Handset Plugin	• To Handset Plugin Signal	Ox1C	Beep x 1 LED Flash 3 times (0.5s ON -> 0.5s OFF)
Low Battery	• To Low battery signal	0x09	LED 0.1s ON -> 5s OFF until battery is replaced

Table 2-1. Functions under different conditions
Note: The time durations stated above are approximate.
* Call button signal of 0x06 is configurable

Operation

After installing two new CR2477 batteries, press the RESET button for 5s to make the device into normal operation mode (the LED should be ON for 1s). The device can e operated according to table 2-1 by pressing the corresponding buttons.
Note: The buttons have priority, for example, if the EMERGENCY button was pressed, it will wait for the RESET button to be pressed. Pressing other buttons should not have ny effects. After pressed and released the RESET button, pressing any buttons should take effect immediately.

RF Exposure

This equipment complies with the FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in onjunction with any other antenna or transmitter.
This device 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.

Notice:
Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.
Note: This equipment has been tested and found to comply with the limits for a 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 equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment 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 try 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 receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

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Documents / Resources

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