

MCT-234

Wireless CodeSecure™ Keyfob Transmitter Description

1. INTRODUCTION

The MCT-234 is a miniature CodeSecure™ 4-button (4-function) transmitter, designed for use with advanced, high-security alarm and remote control systems such as the Visonic Ltd. UL-listed model PowerMax. For UL installations, use UL listed control panel, model PowerMax+ only. Transmission is initiated by pressing any one of the four recessed pushbuttons. Upon pressing a specific button, the MCT-234 transmits a CodeSecure™ digital sequence identifiable by compatible CodeSecure™ receivers, and a 4-bit function code associated with the button that was pressed.

The next time a button is pressed, the MCT-234 will transmit a digital sequence that differs from the one used in the previous transmission and the respective function code. As a result, malicious "code grabbing" is virtually impossible. Operating power is obtained from an internal 12 V alkaline battery. A red LED lights during transmission as long as the battery voltage exceeds 8.6 V. If the LED flashes during transmission, the battery must be replaced without delay. In addition, a "low battery" report will be transmitted with the outgoing digital message. Compatible receivers are designed to identify this report and operate a corresponding output. Each transmitter is supplied with a small key ring.

2. SPECIFICATIONS

Frequency (MHz): 315, 433.92, 868.95, or other per local requirements **(UL has only investigated at 315 MHz).**

Modulation: ASK (ON-OFF keying)

Coding: 28-bit ID, 4-bit function code and 32-bit rolling code.

Transmission Duration: Each button press causes transmission for up to 2 seconds.

Power Supply: 12 V alkaline battery, type GP 23A or equivalent.

For UL installations, use battery manufactured By GP.

Current Consumption: 11 mA (during transmission)

Battery Life Expectancy: 1 year (for typical use)

Battery Supervision:

Good battery - LED lights steadily upon transmission.

Low battery - LED flickers upon transmission.

MCT-234 (315)

PCB LAYOUT

SOLDER SIDE

