## MCT-234

### Wireless CodeSecure<sup>™</sup> Keyfob Transmitter Description

#### 1.INTRODUCTION

The MCT-234 is a miniature CodeSecure<sup>™</sup> 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<sup>™</sup> digital sequence identifiable by compatible CodeSecure<sup>™</sup> 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** 

