

# MeshGuard User's Guide

## 3.2 Specifications

<b>RF Certifications</b>	FCC Part15 CE EN 300328 SRRC (Pending) Wireless Approval For UAE In Middle East (TRA <b>REGISTERED No:</b> ER36063/14 <b>DEALER No:</b> HONEYWELL INTERNATIONAL MIDDLE EAST - LTD - DUBAI BR Wireless Approval for QATAR In Middle East ictQATAR Type Approval Reg. No.: R-4465
<b>Display</b>	Customized LCD (1 x 1.5") with backlight
<b>Audible alarm</b>	90dB @ 30cm
<b>Visual alarm</b>	2 super-bright red LEDs
<b>Calibration</b>	Two-point field calibration
<b>RF</b>	IEEE 802.15.4/Zigbee with mesh stack
<b>Operating Range</b>	Up to 300 meters, line of sight
<b>Transmission Power</b>	Up to 18dBm (63mw EIRP)
<b>Receiver Sensitivity</b>	Minimum -95dBm at 2.4GHz
<b>User Interface</b>	Three keys (Y/+, MODE, N/-)
<b>Power Supply</b>	D-size EVE or Xeno Lithium primary battery, +3.6V, 19 Ah
<b>Max Current Consumption</b>	200mA@3.6V during transmission <0.5mA@3.6V during standby
<b>Operation Time</b>	Internal Battery: For STD* Mode: up to 6 Months For RTR** Mode: up to 10 days *STD is standard-function device **RTR is router-function device
<b>Operating Temperature</b>	-40° to 122° F (-40° to +50° C) for CO, and H <sub>2</sub> S sensors Other sensors: -4° to 122° F (-20° to +50° C)
<b>Humidity</b>	0% to 95% relative humidity, non-condensing
<b>Dimensions</b>	26.5cm x 9.5cm x 5.5cm (10.5" L x 3.7" W x 2.1" H)
<b>Weight</b>	0.6 kg (1.3 lbs)
<b>Package</b>	IP-65
<b>Mounting</b>	Optional stainless-steel bracket mount or magnetic mount

## Radio Specifications

<b>Radio model:</b> RM2400A	<b>RF power(Tx):</b> 20dBm
<b>Frequency range:</b> 2.400-2.4835GHz	<b>Data rate:</b> 250kbps
<b>Modulation:</b> 802.15.4 DSSS BPSK	