Monnit Local Alert

Technical Overview

General Description

The Local Alert provides an additional way to receive critical notifications and sensor readings through your iMonnit network. Upon receiving a notification the Local Alert can flash an LED, sound an audible alarm, and display critical notification information. The Local Alert can also be used to display sensor readings from any sensor on the same account.

Principle of Operation

When the Local Alert has been added to a sensor network through iMonnit, it will automatically be added to the list of devices that can be notified by a sensor, gateway or system notification.

When choosing to send a notification to the Local Alert, the user can choose what the device should do when it receives the notification. A notification can be programmed to flash the LED light, sound an audible alarm, display text on the LCD screen, or any combination of these features.

Users can scroll through stored messages by a quick, single press of the button. By pressing the button and holding for 2 seconds, the displayed message will be deleted. All messages can be cleared by pressing and holding the button for 5 seconds.

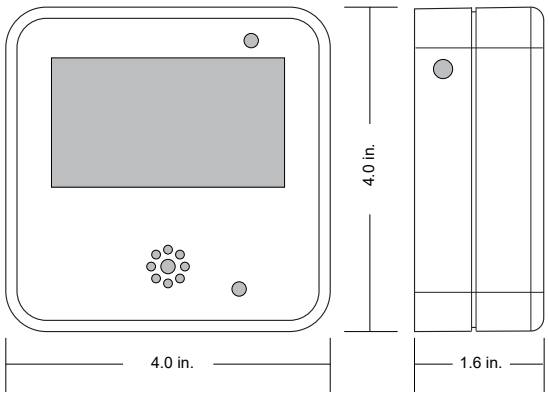
Sensor readings can also be displayed on the Local Alert, but will not activate an alarm. Sensors readings can be associated with the Local Alert using the “Data” tab under the Local Alert settings in iMonnit.

Applications

- Facilities / Building Operations
- Restaurants / Food Service
- Server Rooms / Data Closets
- Pharmaceutical Refrigeration
- Hotels and Hospitality
- Smart Buildings
- Schools and Churches
- and many more...

Monnit Wireless Local Alert Features

- Provides audible and visual alerts when a wireless sensor notification is received.
- Three Alarm Types: Flashing red LED, buzzer alarm, and custom message display.
- Alarms are configurable through iMonnit.
- Unique buzzer sequence when multiple notifications have been received.
- LCD displays device name, custom message or sensor reading, and time of notification/reading.
- Stores up to 10 notifications/readings.
- The number of notifications and sensor readings saved on the Local Alert is reported in iMonnit.
- Configurable alarm and snooze intervals.
- Configurable heartbeat and poll rate (how often the Local Alert checks gateway for notifications)
- Capable of instantly receiving notifications from the gateway (must be on line power and in a sleep state).
- Displays the status bar while on line power.
- When on battery, power saving features are automatically enabled to extend battery life.
- On/Off power switch
- Screw slots for easy installation on walls.



Power Options

- Line Power: 5.5 VDC (power supply included)
- Batteries: 4 x AA sized 1.5 V batteries

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Monnit Wireless Local Alert Specifications		
Power		
Standard Operating Range	5 - 8 VDC (can be powered by line power or batteries.)	
Power Options	- 5.5 VDC @ 900 mA power supply (included) - 4 x AA sized 1.5 V batteries	
Current Consumption	10 uA (sleep mode) 20 mA (radio RX mode) 37 mA (radio TX mode)	20 mA (buzzer) 520 uA (LCD) 30 mA (LCD backlight)
Operation		
Radio Frequencies	Available: 900, 868, and 433 MHz	
Antenna	Connector: SMA | Gain: 5.0 dBi	
Wireless Range	250 - 300 ft. non-line-of-sight	
Wireless Communication	Messages are sent from software through gateway (no direct sensor to device communication is supported) *	
Message Storage / Memory	10 messages (notifications or sensor readings)	
Mechanical		
Display	LCD (8 lines of text) | 128 x 32 pixels | 71.55 mm (diagonal) Transflective (visible in sunlight without backlight)	
LED	One Ultra Bright Red LED (1630 mcd, 110° x 45 ° Viewing Angle)	
Buzzer	90 dB 2.5 KHz (105 dB 3.5 KHz optional)	
Enclosure	ABS plastic	
Dimensions	4.0 x 4.0 x 1.6 in. (101.6 x 101.6 x 40.64 mm) Excluding antenna	
Weight	11.2 ounces (with batteries installed)	
Environmental		
Operating Temperature	-18° to +55° C (0° to +130° F) **	
Storage Temperature	-20° to +70° C (-4° to +158° F)	
Certifications	FC CE Industry Canada 900 MHz product; FCC ID: ZTL- RFSC1 and IC: 9794A-RFSC1. 868 and 433 MHz product tested and found to comply with: CISPR 22:2008-09 / EN 55022:2010 - Class B and ETSI EN 300 220-2 V2.4.1 (2012-05).	

* Monnit local alert units require a Monnit wireless gateway for operation.
** At temperatures above 100°C, it is possible for the board circuitry to lose programmed memory.

Caution/Notice: This product is designed for application in an ordinary environment (normal room temperature, humidity and atmospheric pressure). Do not use this sensor under the following conditions as these factors can deteriorate the product characteristics and cause failures and burn-out. • Corrosive gas or deoxidizing gas - chlorine gas, hydrogen sulfide gas, ammonia gas, sulfuric acid gas, nitric oxides gas, etc.). • Volatile or flammable gas. • Dusty conditions. • Under low or high pressure. • Wet or excessively humid locations. • Places with salt water, oils chemical liquids or organic solvents. • Where there are excessively strong vibrations. • Other places where similar hazardous conditions exist. Use this product within the specified temperature range. Higher temperature may cause deterioration of the characteristics or the material quality of this product.

MONNIT®

For more information about our products or to place an order, please contact our sales department at 801-561-5555.

Visit us on the web at www.monnit.com.

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