

21514 - LRMAB - DC Alert Monitor for Open Door with Buzzer

Revision: 01 | Creation Date: 2026-06-05 | Revision Date: 2026-08-11



Model:21514 | LRMAB



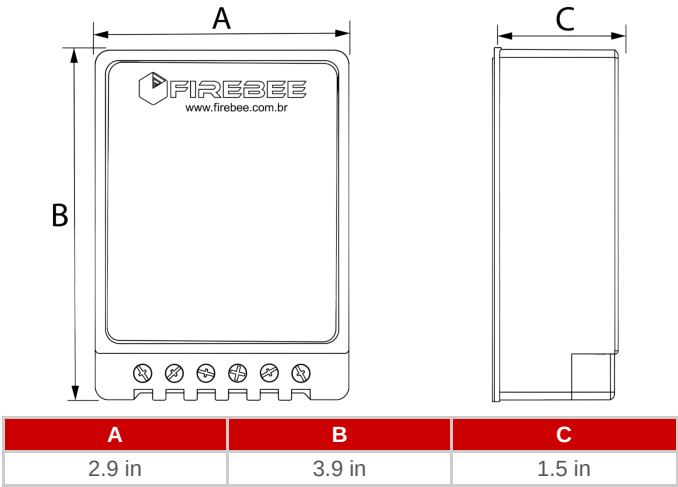
Application

The Open Door Monitor with Local Buzzer supervises doors and openings, sounding a local alert and transmitting an alert to the wireless control panel upon detecting an opening. Suitable for indoor use in commercial, industrial, and residential buildings (IP30).

Operation

When a change in the monitored condition is detected, the device immediately transmits a wireless alert signal to the control panel.

Dimensions



Standard Features

- Wireless protocol — 2.4 GHz, ISM band (Industrial, Scientific and Medical).
- Powered by 2 AA alkaline batteries — up to 24 months autonomy.
- IP30 ingress protection.
- 128-bit AES encryption; restricted to enrolled installation unit.
- Equipment fault indication at the Fire Detection and Alarm Panel within 5 minutes.
- Low-battery alert and level indication at the control panel.

Product Certifications:



Specifications

ENVIRONMENTAL CHARACTERISTICS	
Ingress Protection	IP30
Operating temperature	-10 to 55 °C
Storage temperature	0 to 40 °C
Relative humidity	10% to 95%
ELECTRICAL CHARACTERISTICS	
Normal operation current	≤ 10 µA
Triggering current	≤ 1,500 µA
Power supply	2 AA Alkaline Batteries — Model E91 Energizer
Battery life	Up to 4 years (audible alarm disabled)
DIMENSIONS	
Dimensions (A × B × C)	2.9 × 3.9 × 1.5 in
Packaged dimensions	5.9 × 5.1 × 3.0 in
Weight	250 g

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Specifications

RADIO FREQUENCY — 802.15.4	
Operating channels	11 to 26 (default 26)
Network encryption	AES 128-bit
Data transfer rate	256 kbps
Modulation	O-QPSK
Antenna gain	1.86 dBi
TX power	≤ 20 dBm
Sensitivity	-102 dBm
Antenna type	Internal
Indoor range	120 m
Outdoor range (line of sight)	1,500 m
Standard	802.15.4

LED Indicators

LED	State	Description
	Blue Signal Strength	Blinking: low signal strength; steady: high signal strength.
	Green Stand By	Device operational.
	Red Alarm	Device triggered.