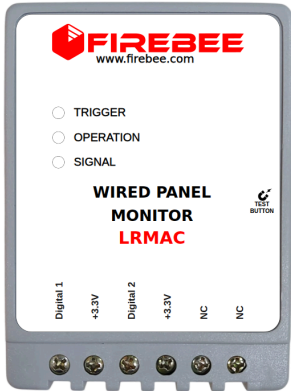


21512 - LRMAC - DC Alert Monitor for Wired Panel

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



Model:21512 | LRMAC



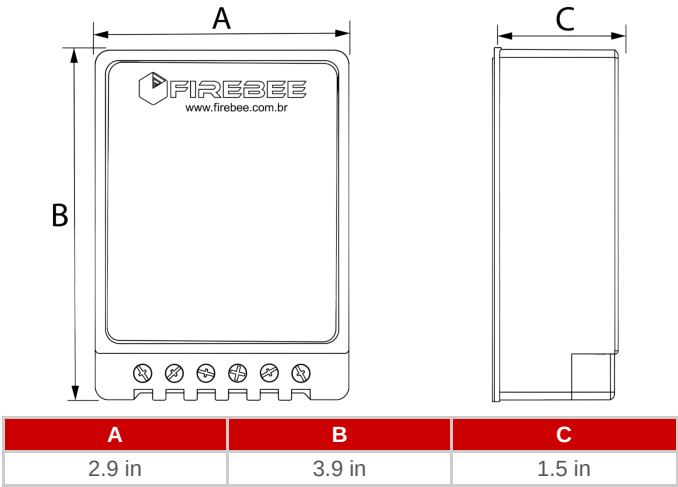
Application

The Wired Panel Monitor integrates conventional alarm panels with the Firebee wireless network, transmitting alarm and fault signals to the wireless control panel. 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	≤ 850 µA
Power supply	2 AA Alkaline Batteries — Model E91 Energizer
Battery life	Up to 4 years
DIMENSIONS	
Dimensions (A × B × C)	2.9 × 3.9 × 1.5 in
Packaged dimensions	5.9 × 5.1 × 3.0 in
Weight	160 g

21512 - LRMAC - DC Alert Monitor for Wired Panel

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



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.