

Model:21241 | LRAIR



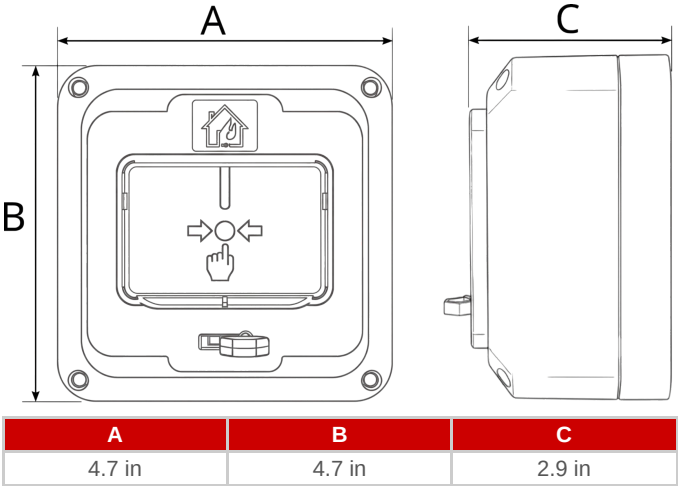
Application

The Manual Actuator enables manual triggering of fire alarms over the wireless network, for installation in commercial, industrial, and residential buildings. Suitable for indoor and outdoor use (IP67).

Operation

When manually triggered, the device immediately transmits a wireless alarm signal to the control panel.

Dimensions



Standard Features

- Wireless protocol — 2.4 GHz, ISM band (Industrial, Scientific and Medical).
- Battery-powered: 2 × AA alkaline — up to 48 months autonomy.
- IP67 ingress protection — suitable for indoor and outdoor installation.
- 128-bit AES encryption; restricted to enrolled installation unit.
- Tamper detection: removal alert at control panel within 2 seconds.
- Low-battery alert and level indication at the control panel.
- Equipment fault indication at the Fire Detection and Alarm Panel within 5 minutes.

Product Certifications:



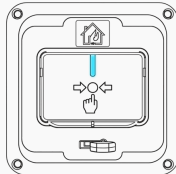
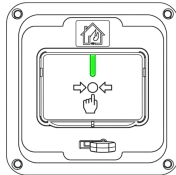
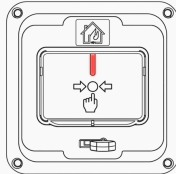
Specifications

ENVIRONMENTAL CHARACTERISTICS	
Ingress Protection	IP67
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)	4.7 × 4.7 × 2.9 in
Packaged dimensions	5.9 × 5.1 × 3.0 in
Weight	400 g

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 Tamper	Sensor removed or poorly seated.
	Green Stand By	Device operational.
	Red Alarm	Device triggered.