

21244 - LRAEX - Manual DC Actuator with EX Protection

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



Model:21244 | LRAEX



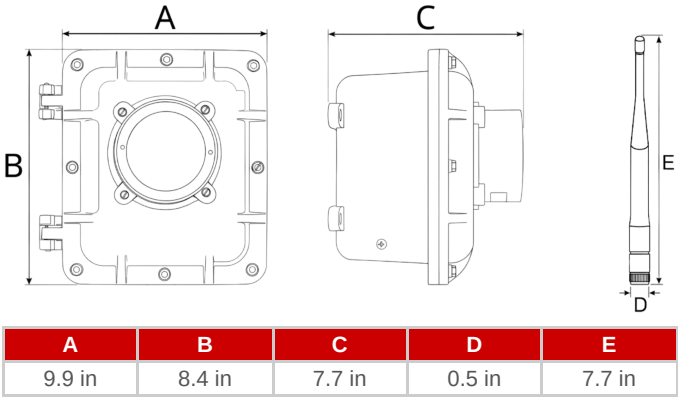
Application

The Emergency Actuator with EX protection is certified for use in areas with explosion risk (Zones 1, 2, 21, and 22), for installation in industrial environments with explosive atmospheres. Suitable for indoor and outdoor use (IP66, Ex IIB).

Operation

When triggered (internal button pressed after breaking the glass), 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.
- EX 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	EX
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)	9.9 × 8.4 × 7.7 in
Packaged dimensions	9.9 × 8.5 × 4.4 in
Antenna (E × D × D)	7.7 × 0.5 × 0.5 in
Weight	6,700 g

21244 - LRAEX - Manual DC Actuator with EX Protection

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	External
Indoor range	120 m
Outdoor range (line of sight)	1,500 m
Standard	802.15.4
EX CLASSIFICATION	
Type of protection	Ex IIB
Zones	1 or 2, 21 or 22
Groups	IIA / IIB / IIC / IIIA / IIIB / IIIC