

**Explosion Proof Motion Sensor - 10' to 20' Mounting Height - 15' x 15' Area - Timer - FC Contacts**

Part #: [EXP-MS-N4X-AT-LV-V3](#)



**The Larson Electronics EXP-MS-N4X-AT-LV-V3 Explosion Proof motion sensor is approved Class 1 Division 1 & 2 and Class 2 Division 1 & 2 and the ability to power lights or other equipment within hazardous locations based on motion. Equipped with Form C contacts, this low voltage C1D1 rated motion sensor features adjustable sensitivity and time delay after motion.**

This low voltage explosion proof motion sensor is ideal for operators seeking a high quality explosion proof motion sensor rated for use in hazardous areas designated Class 1 Division 1 and Class 2 Division 1. This explosion proof motion detector can be mounted at heights ranging from 10` up to 20` above the ground and provides up to 15` by 15` coverage when mounted at 16`. The entire unit is constructed of copper free non-sparking aluminum construction with a glass window for motion detection. This unit is easily wall mounted via integral mounting bracket, which can be adjusted -90° to +30° vertically after installation. The explosion proof housing provides two 1/2" or 3/4" hub openings located on either side of the housing for running electrical conductors in a feed through configuration. A bushing seal at each conductor opening prevents damage to wiring insulation.

This unit leverages cutting-edge microwave sensors to detect motion. When in use, the device sends out discreet waves that are reflected back from nearby walls and objects (not heat or light). Microwave sensors are not affected by line of sight, resulting in wider and more accurate coverage of the target area. By comparison, traditional infrared sensors can only detect heat and light (factors used to identify movement) within the unit's field of view. Microwave sensors also provide stable performance in unpredictable climates and can penetrate glass, plastic and other non-metallic objects.



**EXP-MS-N4X-AT in operation. [Click Here to view our Flex Couplers available for purchase.](#)**

**[Click Images to Enlarge](#)**

This unit is designed to operate on low voltage 12-24V AC or DC electrical circuits. We also make a model that is designed to operate on 120-277V high voltage electrical systems. This motion sensor is suitable for use in environments where combustible dusts and particulates may be present.

The EXP-MS-N4X-AT-LV-V3 contains Form C "change over" contacts (SPDT), which consists of one NO contact and one NC contact. This type of contact configuration features three connection terminals (NO-Common-NC) and provides break-before-make connections.



### Motion Detected Through a Wall

1/2" or 3/4" NPT tapped conduit openings are provided on either of the unit in feed through versions while dead end versions have a single conduit hub, providing easy and secure connection to main power line supplies.

**Suggested Applications:** Manufacturing, Industrial, Warehouse, Lighting, Wet areas or Locations Where Combustible Dust is Present. At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

### Specifications / Additional Information

#### EXP-MS-N4X-AT-LV-V3 Explosion Proof Adjustable Motion Sensor Certifications - Compliance

**Listing:** United States, Canada, IECEX, ATEX

**Dimensions:** 7"-W x 5"-H x 9"-D

**Weight:** -

**Detection:** Motion

**Detection Coverage:** 15' x 15' (when mounted at 16')

**Tilt Angles:** -90° to +30° in elevation

**System Voltage:** 12 or 24V AC/DC

**Maximum Amperage:** 5A

**No Load Current:** 1W, 0.09A @ 12V, 0.045A @ 24V

**Output Hold Time:** 0.5 seconds to 15 minutes (Adjustable)

**Mains Frequency:** 50/60 Hz

**Ambient Temperature Range:** -22°F to +140°F

**Radiated Frequency:** 5.8 GHz

**Contacts:** Form C

Class I, Divisions 1 & 2, Groups B, C, D

Class I, Zones 1 & 2, Groups IIB+H2, IIA

Class II, Divisions 1 & 2, Groups E, F, G

Class III, Divisions 1 & 2

Ex db IIC Gb

Ex tb IIC Gb Db IP66

NEMA 3, 4, 4X, 7 (B, C, D), 9 (E, F, G)

#### Special Orders- Requirements

Contact us for special requirements

**Phone:** 1-214-616-6180

**Toll Free:** 1-800-369-6671

**Fax:** 1-903-498-3364

**E-mail:** sales@larsonelectronics.com

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This product does not qualify for free shipping.

Part #: EXP-MS-N4X-AT-LV-V3 (154715)

Options:

EXP-MS-N4X-AT-LV-V3- VOLTAGE - OPERATION

Example: EXP-MS-N4X-AT-LV-V3-12VDC-NO

VOLTAGE		OPERATION	
12V DC	-12VDC	Normally Open	-NO
24V DC	-24VDC	Normally Closed	-NC











Links (Click on the below items to view):

- [Manual](#)
- [Hi-Res Image 1 - Explosion Proof Motion Sensor](#)
- [Hi-Res Image 2 - Explosion Proof Motion Sensor](#)
- [Hi-Res Image 3 - Explosion Proof Motion Sensor](#)
- [Hi-Res Image 4 - Explosion Proof Motion Sensor](#)
- [Hi-Res Image 5 - Explosion Proof Motion Sensor](#)
- [Hi-Res Image 6 - Explosion Proof Motion Sensor](#)
- [Hi-Res Image 7 - Explosion Proof Motion Sensor](#)
- [Hi-Res Image 8 - Explosion Proof Motion Sensor](#)
- [Hi-Res Image 9 - Explosion Proof Motion Sensor](#)
- [Hi-Res Image 10 - Explosion Proof Motion Sensor](#)