

**Intrinsically Safe Floor Water Sensor - NO Circuit Configuration - Zero Current - Immersion Type**

Part #: EXP-EL-SR-IS-WS-FM



The EXP-EL-SR-IS-WS-FM from Larson Electronics is an Intrinsically Safe Floor Water Sensor capable of detecting water and conductive liquids in combustible environments. This unit does not consume electricity and comes with a normally open circuit configuration. Constructed of plastic with stainless steel conductivity electrodes, the immersion-type sensor offers instant response during use.

The EXP-EL-SR-IS-WS-FM is designed for real-time detection of water/spills inside industrial facilities and flammable environments. This intrinsically safe unit detects water and conductive liquids with resistance less than 4 meg. Suitable for immersion with excellent repeatability, the sensor is equipped with a normally open circuit. This configuration allows the sensor to close the circuit upon detecting water or conductive liquids, triggering an alarm (not included) or other preferred function. Response time is instant when detecting water, while response time for other liquids depend on conductivity of the substance.

Constructed of plastic with stainless steel conductivity electrodes, this unit requires a compatible, customer-provided liquid monitor to complete the system. During operation, the unit does not consume electricity (zero current). As a result, this intrinsically safe device is immune to EMI and RFI interference. The floor water sensor is capable of functioning below its operating temperature range, as long as the liquid does not thicken or solidify.

**Wiring:** The EXP-EL-SR-IS-WS-FM is compatible with 2-conductor wiring.

**Mounting:** This unit can be mounted on the floor or to a wall that is located close to the target area (floor). Operators may access slotted flanges at both sides of the intrinsically safe device during installation.

**Applications:** Combustible sites, flood/spill detection, flood/spill protection, storage rooms, control rooms, libraries, museums, industrial work sites, manufacturing floors, boiler rooms, hallways, schools and more.

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-EL-SR-IS-WS-FM Floor Water Sensor**

**Listing:** United States, Canada

**Device Type:** Intrinsically Safe Floor Water Sensor

**Dimensions:** 2.2" x 1.6" x 0.6"

**Weight:** -

**Sensor:** Immersion w/ Repeatability

**Detectable Liquids:** Water, Conductive Liquids

**Conductive Liquid Resistance:** 4 Meg

**Response Time:** Water- Instant; Other Liquids- Depends on Conductivity

**Circuit Configuration:** Normally Open

**Operating Temperature Range:** 0°C to +60°C

**Materials:** Plastic (Housing), Stainless Steel (Conductivity Electrodes)

**Mounting:** Surface, Floor or Wall via Slotted Flanges @ Sides

**Wiring:** 2-conductor Cable

**Color:** White

##### **Ratings**

Intrinsically Safe

Requires Compatible Liquid Monitor

##### **Special Orders- Requirements**

Contact us for special requirements

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

**Intl:** +01-903-498-3364

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

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

[Scroll Down to Purchase-](#)

[This product does not qualify for free shipping.](#)

Part #: EXP-EL-SR-IS-WS-FM (223763)

Links (Click on the below items to view):

- [Hi-Res Image 1- Intrinsically Safe Floor Water Sensor](#)