Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

EXP-SNR-TG-EC-ITS-ALG-E200

Explosion Proof Ethanol Sensor - C1D1 - 0-100% LEL, IR Sensor, OLED Display - (2) Alarm Relays, Magnetic Calibration

Product ID: 235467

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

EXP-SNR-TG-EC-ITS-ALG-E200 Ethanol Sensor

Listing: NRTL Listed for United States and Canada
Dimensions: 8.5" x 5.2" x 4.5"
Weight: -
Voltage: I0V DC to 30V DC
Sensor Type: Infrared
Measuring Range: 0--100% LEL
Resolution: 1% LEL/1% Vol.
LDL: 2% of Full Scale
Response Time: 30 Seconds or Less
Life Expectancy: 5+ Years w/ Normal Service
Accuracy: ± 5% of Reading or ± 2 % of Full Scale
Alarm Settings: Two Fully Programmable Alarm Set Points, Increasing / Decreasing, Latching / Self-resetting, On Delays, Off Delays, Normally Energized or De-energized
LED Alarm Indication: Alarm 1 = Amber, Alarm 2 = Red, Fail = Red
Relays: 5A Form 'C' Contacts for Alarm 1, Alarm 2, and Fail
Display: Alphanumeric OLED Display, 8 Characters per Line; 2 Lines for Gas Concentration Readout
Controls: Magnetic Calibration, Internal Push Button Controls
Analog Output: Linear 4-20 mA Signal, into 1000 ohms Impedance Max (24V DC), 0 - 500 Ohms Max (12V DC) Corresponding to 0 - Full Scale
Digital Output: Modbus RTU Output Standard, Fully Configurable, 2-wire RS-485, 1200 to

Features/Ratings

Class I, Division 1, Groups B, C, D
Ethanol Sensor
Diffusion Sampling
NEMA 4X
Magnetic Wand Included

19.2k Baud
Amps: 160 mA @ 24V DC with Alarm 1 and Alarm 2 Active and All Relays Energized
Operating Temperature: -40°C to 50°C

Materials: Non-sparking Cast Aluminum w/ Weather Resistant Coating

Mount: Vertical Surface Mount via Mounting Slots on Junction Box

Wiring: Terminal Strip

Hubs: (3) 3/4" NPT

Special Orders - Special Requirements
Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in the USA

The EXP-SNR-TG-EC-ITS-ALG-E200 Explosion Proof Ethanol Sensor offers accurate and reliable detection of combustible substances in hazardous locations. This Class I, Division 1 rated low voltage infrared sensor detects ethanol only and features a 0-100% LEL measuring range. Equipped with an OLED display, the NEMA 4X rated explosion proof unit is made out of cast aluminum and comes with a magnetic wand for non-intrusive operation.

The EXP-SNR-TG-EC-ITS-ALG-E200 is configured to detect ethanol vapors with a 0-100% LEL measuring range. This low voltage unit operates on 10V DC to 30V DC and is equipped with an infrared sensor for detection. Featuring a 30-second or less response time, the explosion proof sensor has a 1% LEL/1% volume resolution and a 2% of full scale lower detectable limit (LDL). This unit features two fully programmable alarm set points, LED alarm indications and 5-amp form C contact relays. Sensor readings can be viewed via an OLED display. The explosion proof device is equipped with analog and digital outputs.

This explosion proof sensor is protected by a NEMA 4X rated cast aluminum enclosure. This ethanol sensor has non-intrusive operation, allowing operators to calibrate, view data, set up alarms and complete other tasks with a magnetic tool, eliminating the need to open the sensor's enclosure.

Hubs: The EXP-SNR-TG-EC-ITS-ALG-E200 has three 3/4" NPT hubs for completing wiring connections.

Mount: This unit can be mounted vertically on surfaces using an included junction box with mounting slots.

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 877-380-2939 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

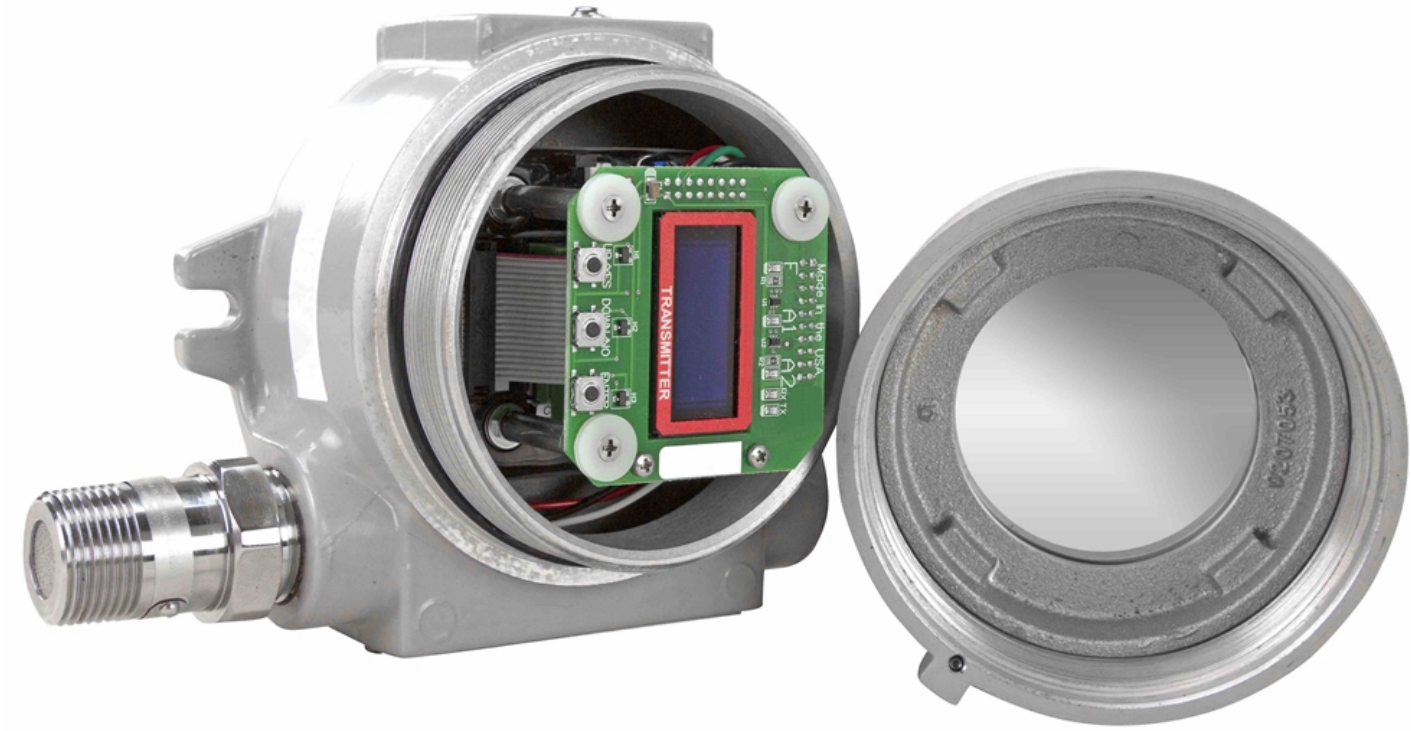
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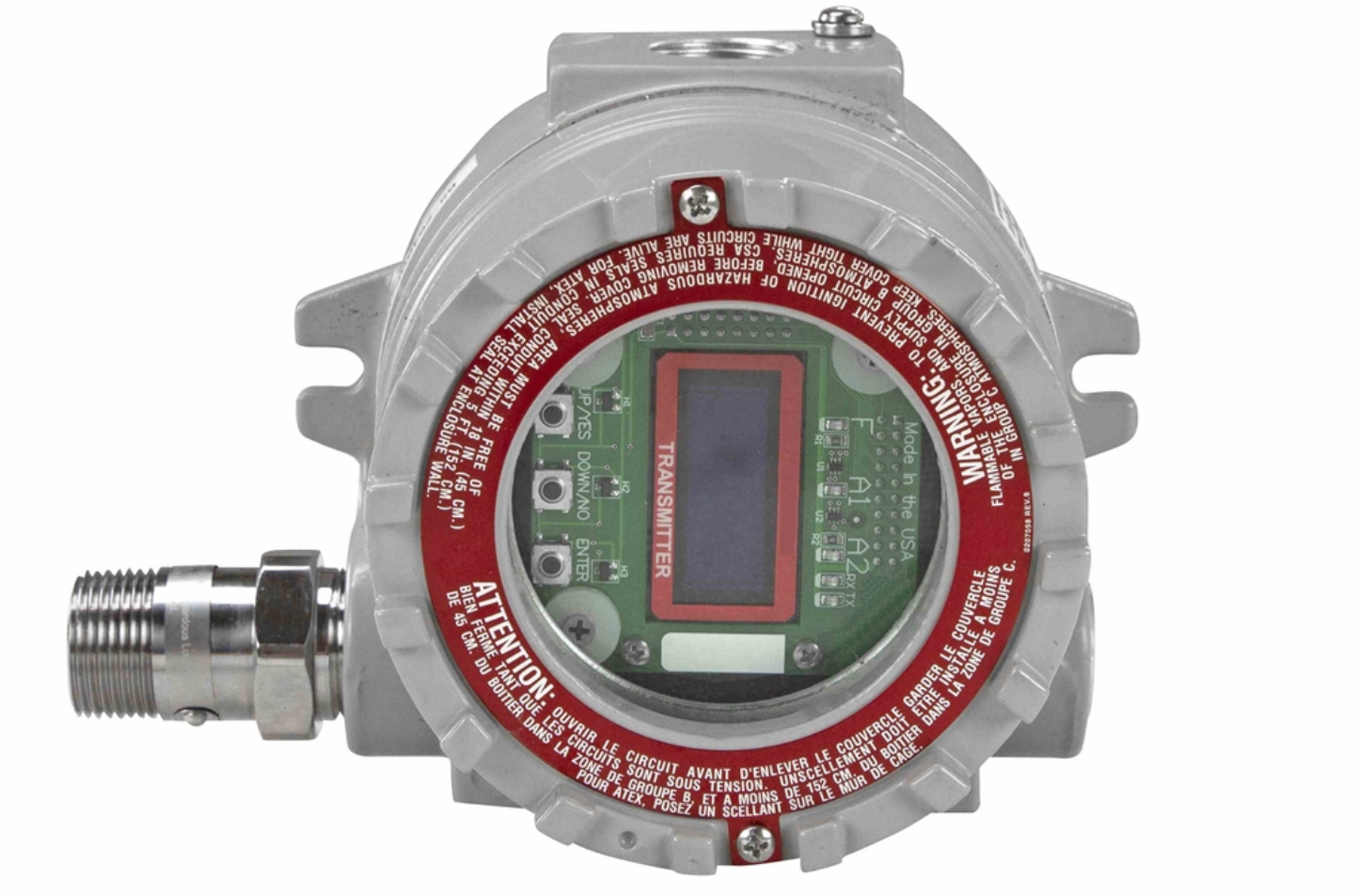
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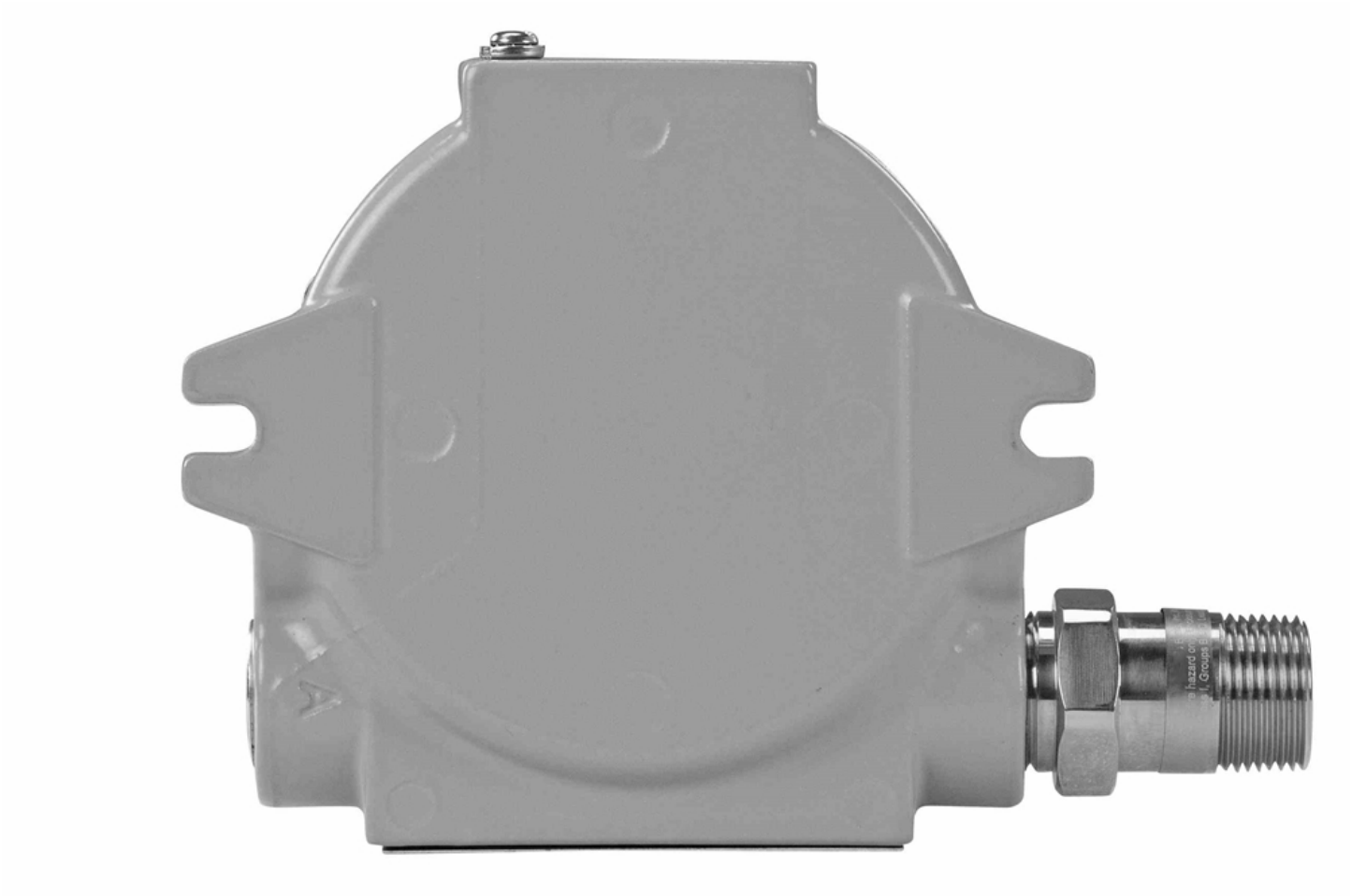
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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**