

EPL-TL-1X10W-C-PA-XFSW

Explosion Proof Signal Light w/ Audible Alarm - C1D1, C2D1 - Multiple Colors - External Float Switch

Product ID: 149177

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.

EPL-TL-1X10W-C-PA-XFSW Signal Stack Light w/ Alarm

Lamp Type: LED
Colors: Red, Green, Amber, Blue, White or Purple
Watts: 10W Lamp
Voltage: 120/240V AC or 24V DC
Max Amperage: 0.3A @ 120V, 0.15A @ 240V, 1.22A @ 24V
LED Lamp Life Expectancy: 50,000+ Hours
Lighting Configuration: Steady Burn or Strobe
Sound Level: Up to 110dbAW @ 10ft from Horn
Mounting: Ceiling, Wall, Flat Surface
Temp Rating: T3
Wiring: 3/4" Hub - Flying Leads
Base: Predrilled Aluminum Base
Float Switch Specs:
Switch Type: SPDT Snap Switch
Voltage: 125/250 V AC
Amps: 10A @ 125/250V AC
Pressure Limit: 2,000 psig (138 bar)
Temp Limit: -20°C to 135°C
Deadband: 3/4"
Specific Gravity: 0.7 (Minimum)
Materials: 316 Stainless Steel
Mount: Horizontal Installation
Process Connection: 1-1/2" Male NPT, 2-1/2" Male NPT
Hubs: 3/4" Female NPT
Dimensions: 30"L x 17.53"W x 19.98"H

Ratings/Approval

United States & Canada
Class I, Division 1 Groups C and D
Class II, Division 1 Groups E and F
Class III, Groups E, F and G
IP67 (Waterproof)
T3C Temperature Rating
NEMA 4X rated
New York City Department of Buildings approved

Float Switch Ratings

Class I, Divisions 1 & 2, Groups C & D
Class II, Divisions 1 & 2, Groups E, F, G
ATEX CE 0344 EX II 2 G Ex d IIB T6
EC-Type Cert: KEMA 03 ATEX 2383
Ex d IIB T6 Gb -20°C
EN60079-0: 2009, EN60079-1: 2007
IECEx DEK 11.0071

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Fax: 1-903-498-3364

Weight: -

E-mail: sales@larsonelectronics.com

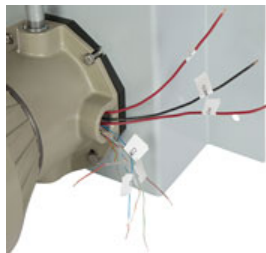
Made in the USA

The EPL-TL-1X10W-C-PA-XFSW Explosion Proof Signal Light w/ Audible Alarm and External Float Switch from Larson Electronics is suitable for monitoring liquid levels inside flammable work sites. The ATEX-rated system provides visual notification via an LED strobe lamp and audio notifications via an audible horn. Constructed of 316 stainless steel, the external float switch operates magnetically and is capable of withstanding 2,000 psig (138 bar) of pressure.

The EPL-TL-1X10W-C-PA-XFSW is a durable and reliable signal monitoring system for tanks, liquid containers and pumps. This explosion proof unit consists of an LED strobe light for illuminative signaling or notification, an audible horn for audio warnings and an external float switch for active monitoring of liquid levels. The external float switch must be installed inside the tank for real-time monitoring. This explosion proof system is configured for red, green, amber, blue, white or purple output and offers exceptional 1,050 lumen output. Operating on 120/240V AC or 24V DC configurations for standard or low voltage applications, the explosion proof audible alarm setup sounds a unique tone per the user setting. Multiple units can be configured for different lamp colors and different tones, providing operators in hazardous locations with an effective and powerful alert/signal system that can withstand demanding conditions and be heard over the operation of industrial machinery and equipment. A NEMA 4X rated explosion proof junction box protects the internal wiring and can be tapped in order to connect this stack light to power sources.



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[Click Photo to Enlarge](#)

The ATEX-rated lamp in this hazardous location stack light provides high output, offers a lifespan of 50,000 hours, and is protected by durable Pyrex globes and cast aluminum globe guards for added durability. This unit offers cool operation and clean, bright output surpassing that of 100-watt incandescent indicator lamps. The LED lamp utilizes colored LEDs instead of colored globes, providing more light output. We offer strobe or steady burn lamps for this fixture. The light housing is constructed of a polyester powder coated, copper free aluminum casting that can withstand 1,490 pounds PSI hydrostatic pressure. The housing on this explosion and water proof stack light is constructed of heavy-duty aluminum, while the horn is made out of fiberglass. The entire unit is finished in a durable gray powder coat for resistance to corrosion.

This stack light is equipped with an explosion proof horn. Attached to the far end of the fixture, this audible horn provides operators with up to 5 different tones that can reach a peak output of 110dBA, powerful enough to be heard over industrial operations. There is no dimming or volume control for the lights or horns.

Float Switch: This ATEX-rated system features an external float switch for monitoring liquid levels inside tanks. The device uses a magnetically actuated switching design (no bellows, springs, or seals) for reliable performance in rugged and flammable work sites. This SPDT snap switch unit comes with a 2000 psig (138 bar) pressure limit and a deadband (neutral zone) of 3/4". The explosion proof float switch is constructed of 316 stainless steel.

Wiring/Mounting: Wiring is through a 3/4" NPT conduit access hub. The unit can be ordered in 120V or 240V AC configuration for use with standard line voltages or 24V DC for low voltage use. For the explosion proof signal stack light, mounting is

provided by a heavy gauge aluminum base with predrilled holes designed to be bolted to walls and flat surfaces for permanent and secure attachment. Power is provided by individual conductors to allow independent operation of each lamp and tone combination. Operators can tap the C1D1 junction box in order to connect to a power source.

The explosion proof float switch, which is installed inside the tank, can be mounted in a horizontal position.

Note on LED Strobe Lights: *Please note, the color choices and light configuration of this unit can be customized to your requirements. We offer steady burn or strobing LED lamps, as well as high or low voltage configurations. Please contact us for special color configurations.*

Applications: Tank monitoring, liquid level monitoring, tank level indicator system, pumps, valve control, flammable work sites, chemical plants, oil refineries, wastewater treatment facility, liquid processing, oil and gas, industrial automation 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.



Frequently Asked Questions (FAQ)









EPL-TL-1X10W-C-PA-XFSW

Product ID: 149177

Export Control Classification Number (ECCN): EAR99

Options:

EPL-TL-1X10W-C-PA-XFSW-Voltage-Lamp Config-Lamp Color

Example: EPL-TL-1X10W-C-PA-XFSW-120VAC-STB-RED

Voltage	
120V AC	-120VAC
240V AC	-240VAC
24V DC	-24VDC

Lamp Config	
STEADY BURN	-STB
STROBE	-STROBE

Lamp Color	
RED	-RED
BLUE	-BLU
GREEN	-GRN
AMBER	-AMB
WHITE	-WHT
PURPLE	-PRPL

Links (Click on the below items to view):

- [Dimensional Drawing 2D](#)
- [Operations Manual](#)
- [SpecSheetFrench](#)
- [SpecSheetRussian](#)
- [SpecSheetSpanish](#)
- [STEP File \(3D CAD Model\)](#)
- [Wiring Diagram](#)
- [HigResPic1](#)
- [HigResPic2](#)
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