

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

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

Product ID: 149177



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

Weight: -

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

E-mail: sales@larsonelectronics.com

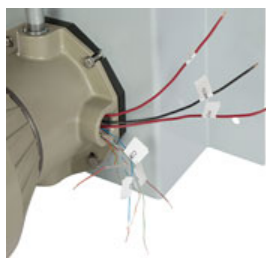
Made in the USA

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.



[Click Photo to Enlarge](#)



[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.

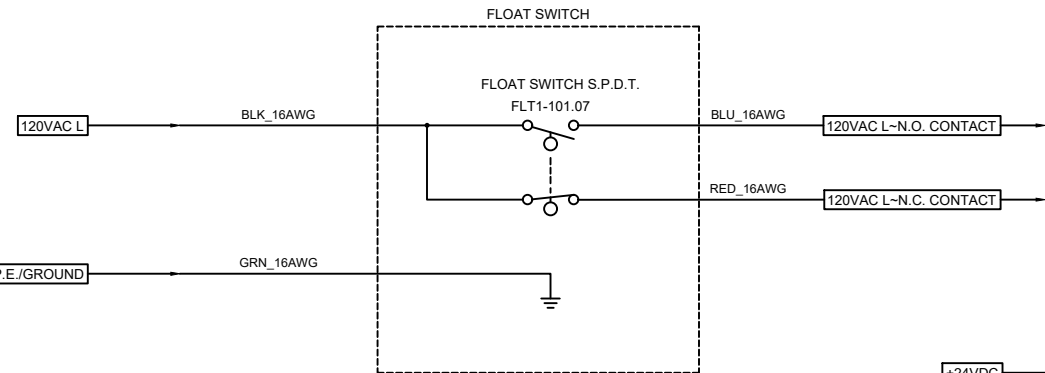
The explosion proof float switch, which is installed inside the tank, can be mounted in a horizontal position.

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.

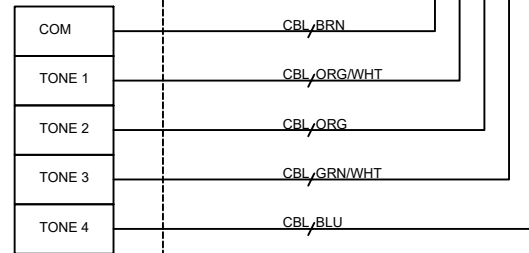
8	7	6	5	4	3	2	1
REV	DESCRIPTION						DATE
A	PRODUCTION RELEASE						06/15/2023
EPL-TL-1X10W-C-PA-XFSW -24VDC-STROBE-RED 							
8	7	6	5	4	3	2	1



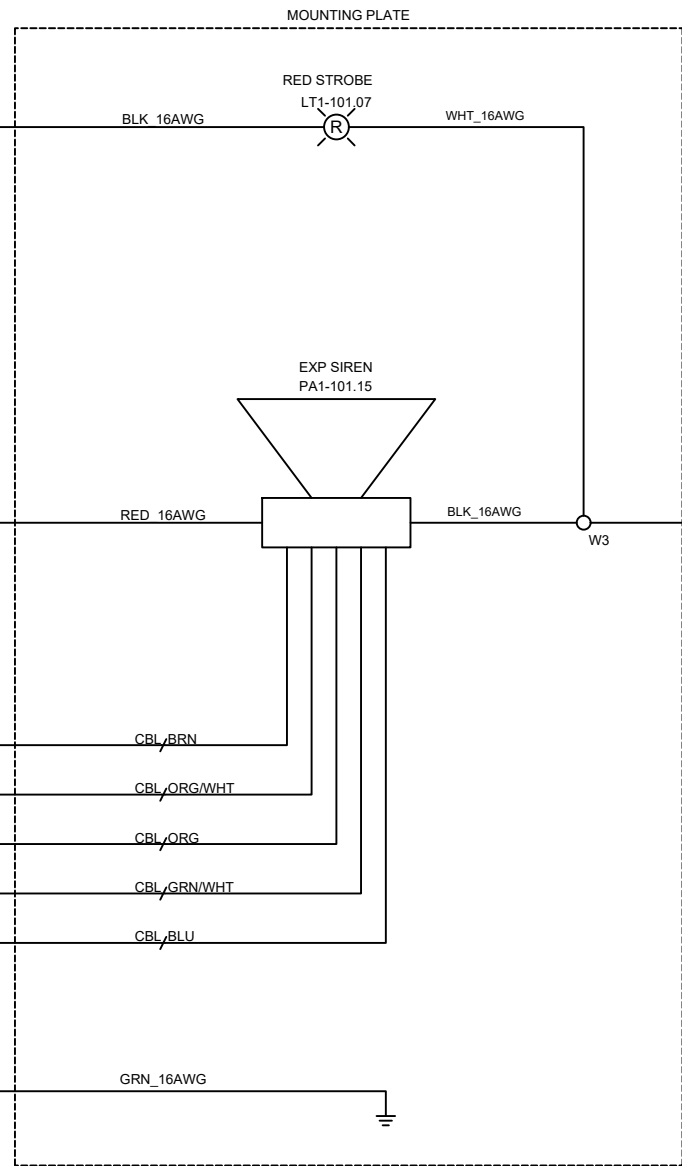
NORMALLY OPEN (N.O.) FLOAT SWITCH: THE ELECTRICAL CIRCUIT WITHIN THE SWITCH REMAINS OPEN WHEN THE SWITCH IS AT THE BOTTOM AND CLOSED IN THE 'UP' POSITION. SO, THE SWITCH IS OPEN WITH GRAVITY PULLING IT DOWN AND CLOSSES AS THE LIQUID LEVEL RISES TO THE PRE-SET LEVEL.

NORMALLY CLOSED (N.C.) FLOAT SWITCH: THE ELECTRICAL CIRCUIT WITHIN THE SWITCH REMAINS CLOSED WHEN THE SWITCH IS AT THE BOTTOM AND OPEN IN THE 'UP' POSITION. SO, THE SWITCH IS CLOSED WITH GRAVITY PULLING IT DOWN AND OPENS AS THE LIQUID LEVEL RISES TO THE PRE-SET LEVEL.

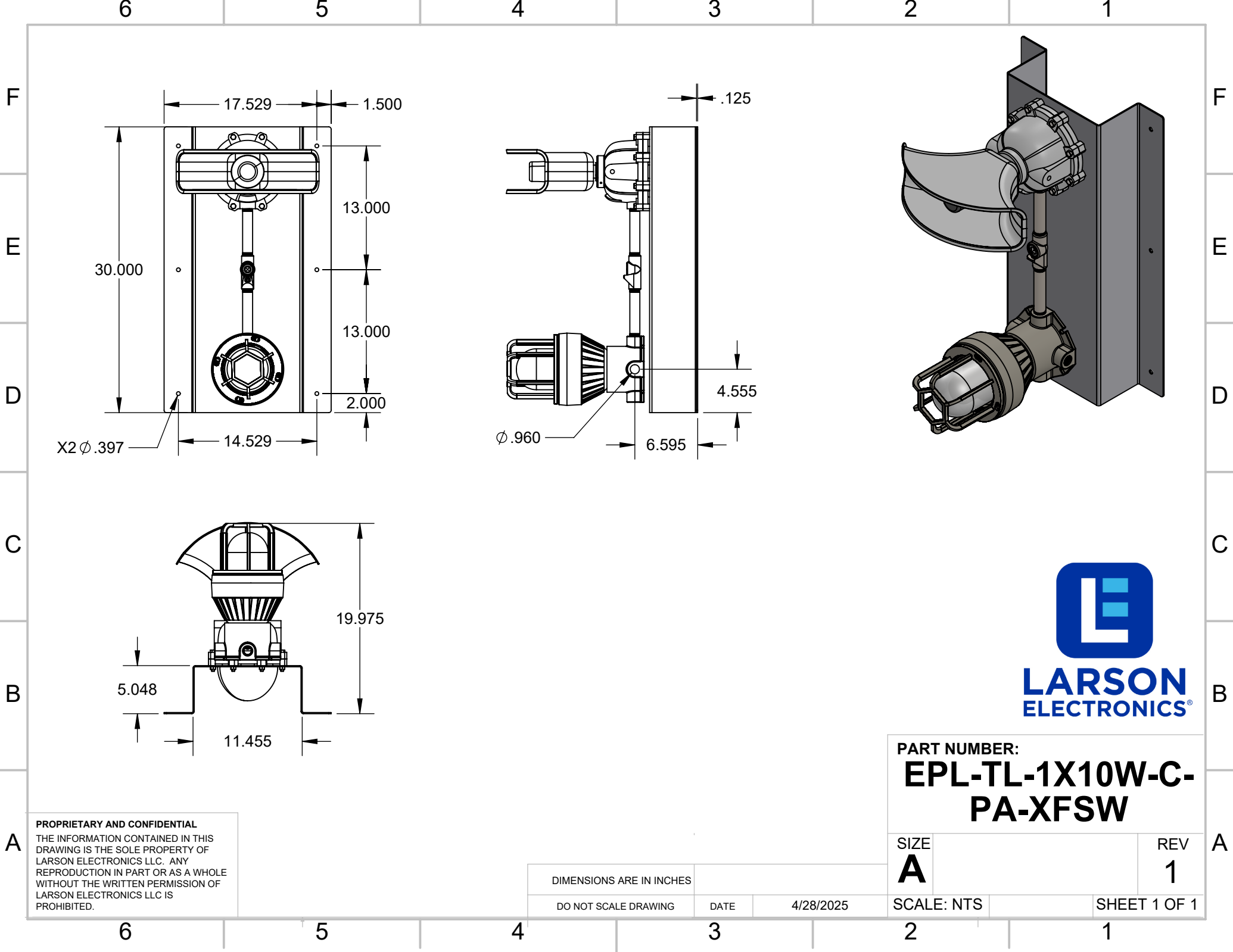
TO SELECT TONE CONNECT COM TO 1 OF THE 4 TONE LINES



TAGS	QTY	CATALOG	DESCRIPTION
PA1-101.15	1	UNV00009166	EXPLOSION PROOF SIREN - 24VDC
FLT1-101.07	1	UNV00014062	Explosion Proof SS Float Switch - Magnetic Operation - ATEX & IECEx Certified - 2K PSIG - 125/250 VAC
LT1-101.07	1	UNV00008054	RED A19 STROBE 12-24VDC
W3	1	UNV00011954	3 HOLE WAGO



 LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE EPL-TL-1X10W-C-PA-XFSW - 24VDC-STROBE-RED		
	DRAWN BY J.PITTS	DATE 06/15/2023	REV A
	CHECKED BY J.Maldonado	SHEET # 1 OF 1	DRAWING # 101



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PART NUMBER:
**EPL-TL-1X10W-C-
PA-XFSW**

SIZE A	REV 1
SCALE: NTS	SHEET 1 OF 1

DIMENSIONS ARE IN INCHES			
DO NOT SCALE DRAWING	DATE	4/28/2025	









Frequently Asked Questions (FAQ)