

Explosion Proof Photocell - AC/DC - 400W Day/Night Sensor - Dusk-to-Dawn Operation - ATEX/IECEX

Part #: [ATEX-EXP-DNS-400W](#)



The ATEX-EXP-DNS-400W from Larson Electronics is an Explosion Proof Photocell that functions as a day/night sensor for HID, incandescent and fluorescent luminaries in ATEX/IECEX environments. The 400-watt rated unit automates dusk-to-dawn lighting controls by turning on compatible lights at 3 footcandles and off at 8 footcandles. Featuring a solid-state design, the device is suitable for use in hazardous locations, indoor/outdoor spaces and industrial facilities. When ordering this unit, please choose from the following voltage options: 100-130V AC/DC or 208-277V AC/DC.

The ATEX-EXP-DNS-400W promotes safety by turning on outdoor luminaires in critical passageways at night. During operation, the field-installable device activates luminaries at 3 footcandles, while deactivating at 8 footcandles. With an electrical range of 35 watts to 400 watts, the ATEX/IECEX rated unit is compatible with HID, incandescent and fluorescent lights. To prevent accidental tripping, the device comes with a 10-second time delay feature. The explosion proof photocell may also be used to conserve energy by only activating the luminaries when necessary. This ATEX/IECEX rated device comes with an operating lifespan of 8 years. For durability, the ATEX-EXP-DNS-400W is constructed of copper-free aluminum with a powder epoxy paint (electrostatically applied) finish. The unit is furnished with 6" stranded 600 volt color coded wire leads. Mounting may be completed via two, 3/4" feed-thru hubs.

Applications: HID, incandescent and fluorescent luminaries/lighting systems in hazardous locations, such as oil and gas facilities, chemical processing plants, food manufacturing establishments, mining sites and more. This unit can be used to support remote lighting systems, security systems, hallway lighting and perimeter lighting systems.

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

ATEX-EXP-DNS-400W Explosion Proof Photocell

Type: ATEX/IECEX Rated Photocell

Dimensions: 4 1/4" x 2 5/8"

Wattage Range: 35W-400W

Tungsten/Ballast Rating: 400 Watts

Voltage: 100-130V AC/DC or 208-277V AC/DC

Frequency Rating: 50/60 Hz

On/Off Activation: 3 FC (On), 8 FC (Off)

Time Delay: 10 Seconds

Operating Life: 8+ Years

Operating Temp Range: -60°C to +70°C

Materials: Copper-free Aluminum

Finish: Powder Epoxy Paint, Electrostatically Applied

Wiring: 6" Stranded 600V Color-coded Wire Leads

Mount: (2) 3/4" Feed-Thru Hubs

Weight: 5 lb

Ratings/Approvals

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

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

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

Class III

Ex db IIC Gb

Ex tb IIIC Db IP66

NEMA 3, 4, 4X

Special Orders- Requirements

Contact us for special requirements

Phone: 1-214-616-6180

Toll Free: 1-800-369-6671

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E-mail: sales@larsonelectronics.com

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[Part #: ATEX-EXP-DNS-400W \(153827\)](#)

Options:

ATEX-EXP-DNS-400W- VOLTAGE

Example: ATEX-EXP-DNS-400W-120V

VOLTAGE	
100-130V AC/DC	-120V
208-277V AC/DC	-277V
24V AC/DC	-24V









Links (Click on the below items to view):

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- [Hi-Res Image 2](#)
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