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EXP-PHOTOCELL-20A-480V.1P

Explosion Proof Photocell - 20-Amp Rated Day/Night Sensor - Dusk-to-Dawn Operation - 480V 1PH

Product ID: 281017

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-PHOTOCELL-20A-480V.1P Explosion Proof Photocell
Type: Explosion Proof Photocell
Dimensions: 8.125" x 13.73" x 5.20"
Total Watts: 16,500W
Voltage: 480V 1PH
Frequency Rating: 50/60 Hz
Amps: 20A
On/Off Activation: 3 FC (On), 8 FC (Off)
Time Delay: 10 Seconds
Operating Life: 8+ Years
Construction: Corrosion-resistant Thermoplastic Polyester
Materials: Feraloy Iron Alloy
Wiring: 6" Stranded 600V Color-coded Wire Leads
Mount: (2) 3/4" Feed-Thru Hubs
Weight: 1 lb

Ratings/Approvals
Class I, Division 1, Groups B,C,D
Class II, Division 1, Groups E,F,G
Class III
Suitable for HID, Incandescent or Fluorescent Lights
NEMA 3, 4, 7BCD, 9EFG
Compact, Solid-state Design
Factory Sealed Components

Special Orders - Special Requirements
Contact us for special requirements

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The EXP-PHOTOCELL-20A-480V.1P from Larson Electronics is an Explosion Proof Photocell that functions as a day/night sensor for HID, incandescent and fluorescent luminaries. The 480V single-phase 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. This unit can handle 20 amps and a total of 16,500 watts on single-phase power.

The EXP-PHOTOCELL-20A-480V.1P promotes safety by turning on outdoor luminaires in critical passageways at night. During operation, the field-installable device operates on 480V three phase and activates luminaries at 3 footcandles, while deactivating at 8 footcandles. Capable of handling 20 amps and 16,500 watts on single-phase power, the 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 device comes with an operating lifespan of 8 years. For durability, the EXP-PHOTOCELL-20A-480V.1P is constructed of corrosion-resistant thermoplastic polyester. 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.

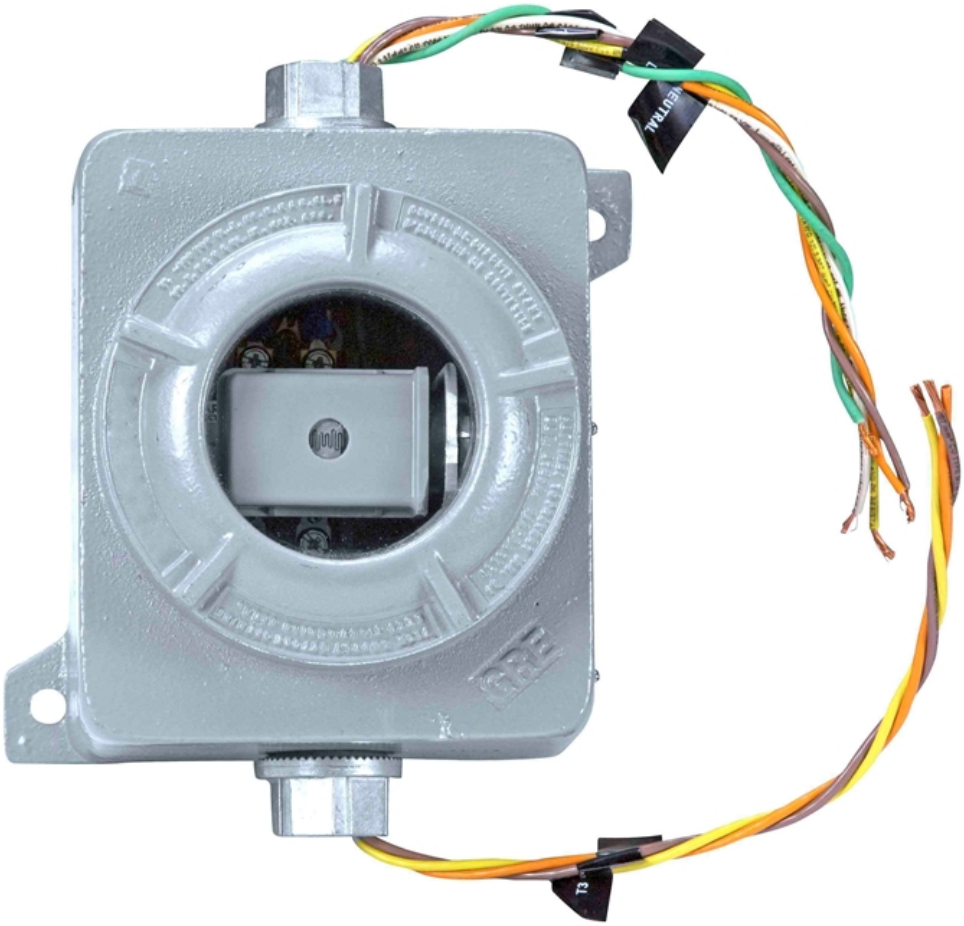
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Frequently Asked Questions (FAQ)

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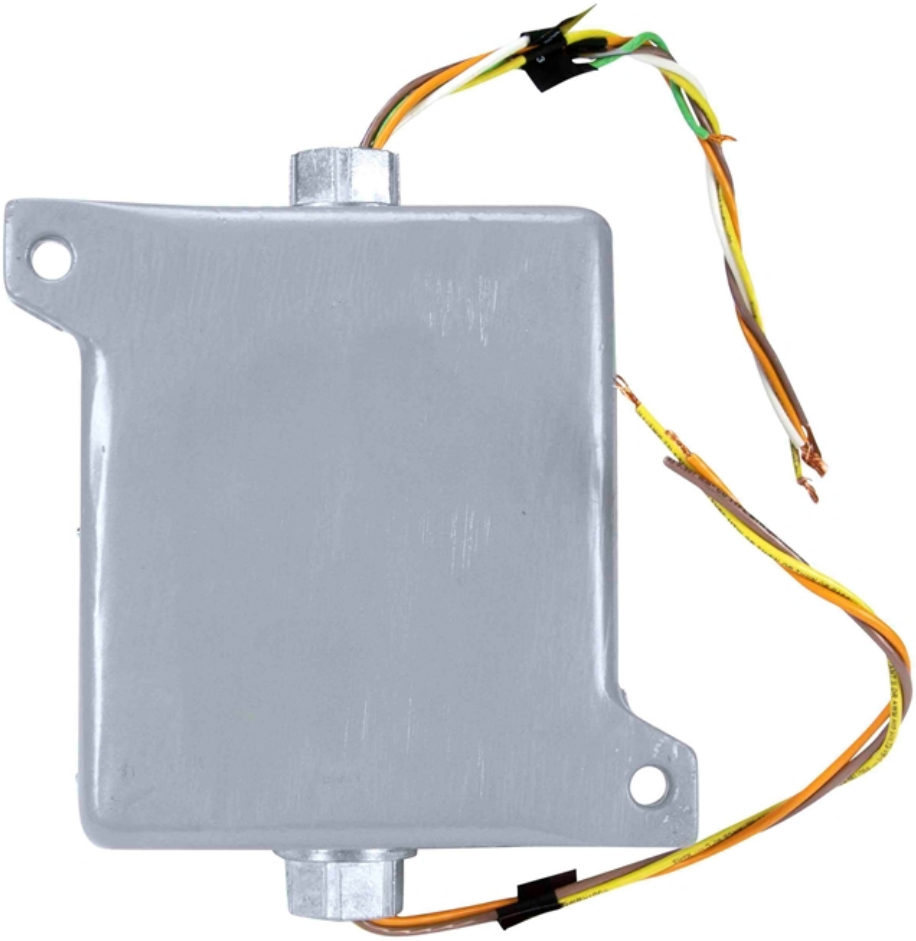
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Product ID: 281017

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

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