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

0-10V Rotary Dimmer w/ On/Off Switch - Single Pole Single Throw - 316 Stainless Steel - NEMA 4X

IND-SW-SS-20A-DRW-1P

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

IND-SW-SS-20A-DRW-1P 0-10V Rotary Dimmer Switch

Listing: NRTL Listed for United States, Canada
Switch Type: 0-10V Rotary Dimmer Switch
Dimensions: 11.81" x 7.87" x 8.41"
Weight: -
Operation Voltage: 600 V AC

Dimmer Switch Type: Front Mounted Rotary Switch

Max Lamps per Switch: 25

On/Off Switch Type: 1-Pole, Single Throw, Rotary Switch

On/Off Switch Action: Maintained

Contacts: (1) Normally Open

Contact Block Amp Rating: 20 A

Grounding: Single Internal Housing Ground Screw
Ambient Temp Rating: -20°C to +60°C
Unit Materials: 316 Stainless Steel
Mounting: External Mounting Lugs on Body
Hub Configurations: Dead End, Feed Through, Bottom U-Feed Through, or Top U-Feed Through
Hub Size: 1/2" or 3/4"
Color: Gray

Ratings/Approvals

NEMA 4X Rated
IP66 Waterproof Rated
316 Stainless Steel Enclosure
Factory Installed Conduit Hubs & Lock Nuts

Special Orders - Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in Texas
The IND-SW-SS-20A-DRW-1P from Larson Electronics is a 0-10V Rotary Dimmer w/ On/Off Switch that is suitable for general area work sites. This 0-10V dimmable switch carries a NEMA 4X rating and provides a reliable method for operators to adjust the brightness of lights connected to the switch in order to best accommodate the situation or workplace. Constructed of 316 stainless steel, the device features a rotary, maintained on/off switch below the dimmer as well as one normally open contact. The IND-SW-SS-20A-DRW-1P is available with a variety of predrilled hubs depending on what is required for specific applications.
The IND-SW-SS-20A-DRW-1P is ideal for operators seeking a high quality dimmer switch rated for use in non-hazardous areas. This NEMA 4X rated dimmer with

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on/off switch is easily wall mounted via integral mounting tabs at two corners of the housing.

The switch cover and housing box is constructed of 316 stainless steel for superior performance and durability. The IP66 and NEMA 4X waterproof ratings indicate that the enclosure provides a degree of protection to operators against incidental contact with the enclosed equipment, provides a degree of protection against environmental concerns such as the ingress of water, provides additional protection against corrosion, and that the enclosure will not be damaged by the external formation of ice.

This dimmable rotary switch offers operators smooth, flicker-free dimming of lights for precise control of brightness level while maintaining the power delivered to the lamp. The IND-SW-SS-20A-DRW-1P dimmer switch also works to save energy while reducing energy costs and helping to extend the life of the connected lamp. The dimmable rotary switch features surge protection technology, advanced heat sinks to extend the service life of the switch, and protection from possible interference from radios and other equipment. The unit is also very user friendly as the position of the rotary dial indicates the perceived light level.

A rotary on/off switch can be found below the dimmer. The 1-pole switch features a single throw configuration with maintained action. Equipped with two positions, operators may access contact blocks that are rated at 20 amps inside the unit.

Operation Voltage: The IND-SW-SS-20A-DRW-1P operates on 600 V AC. This operation voltage covers 120V, 220V, 240V, 277V, 347V, 480V, and 600V.

Note on Dimming Voltage/Amperage: The voltage range is 0-10V, with 0V being completely off and 10V being full power. The max resistance is calculated for up to 25 devices being controlled by this unit. This dimmer is NOT compatible with incandescent lamps or screw-in compact fluorescent lamps. This unit IS compatible with LED, HID, fluorescent, compact fluorescent, induction, and any type of lamp that the power supply or ballast is 0-10V capable and has 0-10V control wires.

Hubs: Operators can choose between two hub sizes of either 1/2" or 3/4". The available hub configurations are as follows: dead end, feed through, bottom U-feed through, and top U-feed through. The U-feed options feature the input and output on the same side allowing wires to enter and exit on the same side of the switch. All predrilled hubs are CNC cut and include factory installed conduit hubs and lock nuts.

This rotary dimmer switch is compatible with dimmable light fixtures with V+ and V- dimming control wires. This dimmer is not compatible with voltage dimming, the driver/ballast must have 0-10V control wires for dimming to be compatible.

Mounting: External mounting lugs provide simple and secure mounting of the unit to walls and flat surfaces.

Suggested Applications: Manufacturing, Industrial, Warehouse, Lighting, Lighting, Wet areas or Locations Where Combustible Dust is Present.

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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Options:

IND-SW-SS-20A-DRW-1P-Hub Config-Configuration

Example: IND-SW-SS-20A-DRW-1P-0.5IN-FT

Hub Config	
1/2 INCH	-0.5IN
3/4 INCH	-0.75IN

Configuration	
FEED-THRU	-FT
DEAD-END	-DE
BOTTOM U-FEED THRU	-BUFT
TOP U-FEED THRU	-TUFT

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Links (Click on the below items to view):

- HigResPic1

- Video1

- Video2

- ISO 9001 Certification

- Business Certificate

- Shipping Time Map