

EXP-DRW

Explosion Proof 0-10V Rotary Dimmer Switch - C1D1&2 - C2D1&2 - Class III

Product ID: 257463



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-DRW Explosion Proof 0-10V Rotary Dimmer Switch

Switch Type: 0-10V Dimmable Rotary Switch
Max Lamps per Switch: 25
Grounding: Single Internal Housing Ground Screw
Dimensions: 5.88" L x 3" W x 2.25" D
Configuration: Front Mounted Rotary Switch
Hub Quantity: (2) Feed Through or (1) Dead End
Minimum Resistance: 45 kOhm
Maximum Resistance: 135 kOhm
Ambient Temp Rating: -20°C to +65°C
Unit Materials: Copper-free Cast Aluminum
Mounting: External Mounting Lugs on Body
Hub Quantity: (2) Feed Through or (1) Dead End
Hub Size: 1/2" or 3/4"
Color: Gray

Ratings/Approvals

Class I Divisions 1 & 2 Groups C & D
Class II Divisions 1 & 2 Groups E, F, G
Class III, Divisions 1 & 2
NEMA 7, Groups C & D
NEMA 9, Groups E, F & G

Special Orders - Special Requirements

Contact us for special requirements
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Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

Made in Texas

The Larson Electronics EXP-DRW Explosion Proof Dimmable Rotary Switch is Listed Class I Division 1 & 2 Groups C & D, Class II Division 1 & 2 Groups E, F and G and Class III. This 0-10V dimmable explosion proof switch provides a safe and secure method for operators to adjust the brightness of explosion proof lights connected to the switch in order to best accommodate the situation or workplace while maintaining safety within hazardous environments.

NOTE: This 0-10V Explosion Proof Rotary Dimmer Switch only works to adjust the brightness level of connected lights. It does not power lamps on or off.

This explosion proof rotary dimmer switch is ideal for operators seeking a high quality explosion proof switch rated for use in hazardous areas designated Class I Division 1 & Class 2 Groups C & D, Class II Division 1 & 2 Groups E, F and G and Class III environments. The entire unit is constructed of copper free cast aluminum. This unit is easily wall mounted via integral mounting tabs at two corners of the housing. Operators can choose between two hub sizes of either 1/2" or 3/4" and either a feed through or dead end configuration.

This unit is suitable for use in environments where combustible dusts and particulates may be present as well as any other hazardous locations. This explosion proof 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 EXP-DRW explosion proof dimmer switch also works to save energy while dimming reducing energy costs and helping to extend the life of the connected lamp.

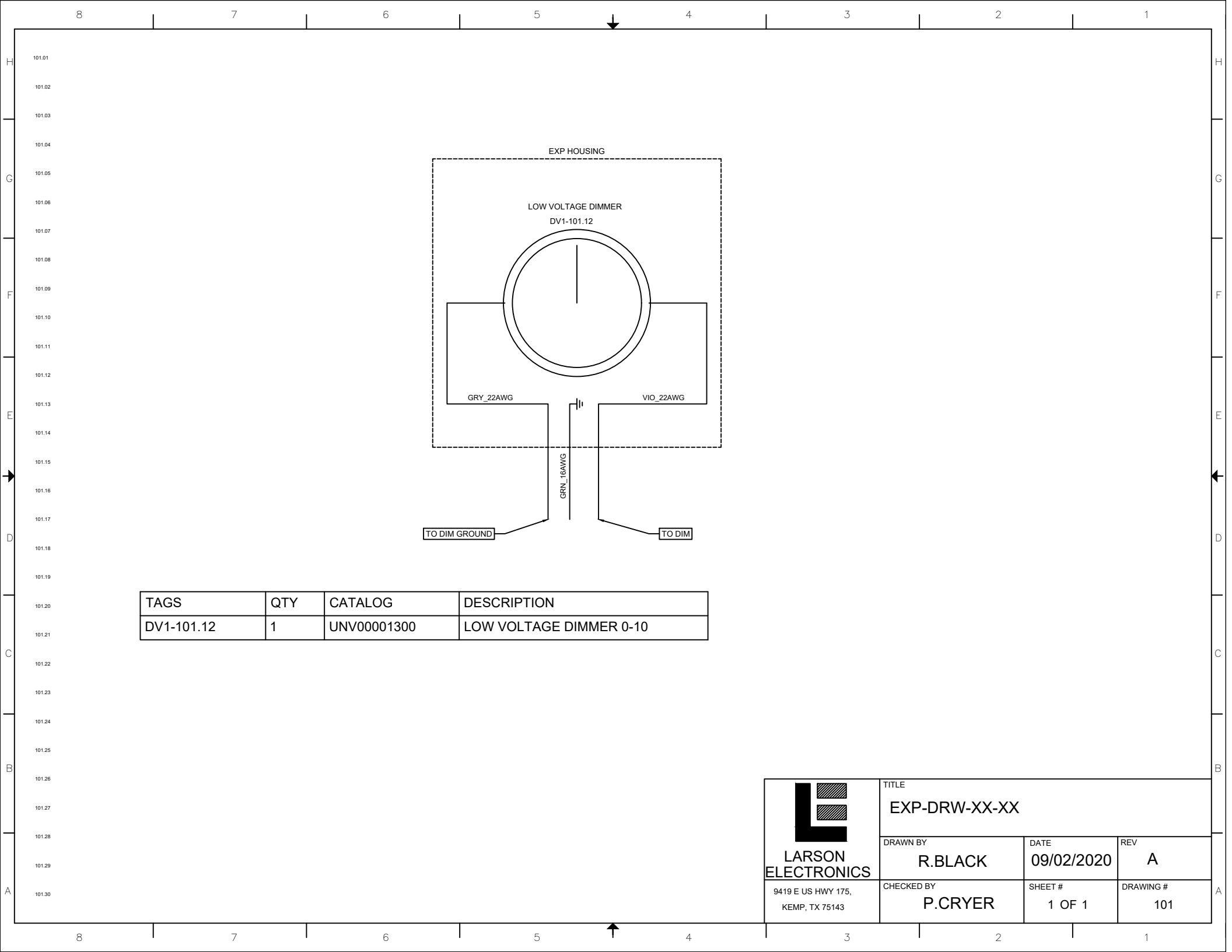
The EXP-DRW 0-10V dimmable rotary switch also features surge protection technology, advanced heat sinks to extend the service life of the switch and protection from possible interference from radios and other equipment. The unit is also very user friendly as the position of the rotary dial indicates the perceived light level.

This rotary dimmer switch is compatible with explosion proof 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.

The EXP-DRW explosion proof switch cover and housing box is constructed of copper free cast aluminum for superior performance and durability. These dimmer switches are not factory sealed and require external sealing fittings. Two external mounting lugs provide simple and secure mounting of the unit to walls and flat surfaces. This explosion proof switch is available with either 1/2" or 3/4" NPT tapped hubs. The conduit openings are provided on the top and bottom of the unit in feed through versions while dead end versions have a single conduit hub, providing easy and secure connection to main power line supplies.

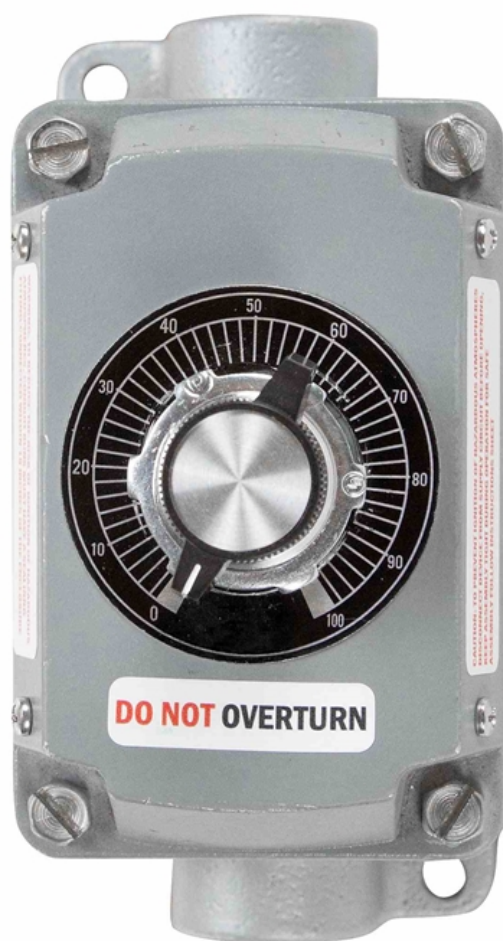
Suggested Applications: Manufacturing, Industrial, Warehouse, Lighting, Lighting, Wet areas or Locations Where Combustible Dust is Present.

8	7	6	5	4	3	2	1
REV	DESCRIPTION						DATE
A	PRODUCTION RELEASE						09/02/2020
EXP-DRW-XX-XX							
							
8	7	6	5	4	3	2	1



TAGS	QTY	CATALOG	DESCRIPTION
DV1-101.12	1	UNV00001300	LOW VOLTAGE DIMMER 0-10

 LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE EXP-DRW-XX-XX		
	DRAWN BY R.BLACK	DATE 09/02/2020	REV A
	CHECKED BY P.CRYER	SHEET # 1 OF 1	DRAWING # 101





CAUTION: TO PREVENT IGNITION OF HAZARDOUS ATMOSPHERES
DISCONNECT DEVICE FROM SUPPLY CIRCUIT BEFORE OPENING.
KEEP ALL ELECTRICAL CONNECTIONS TIGHT AND PROPER FOR SAFE
ASSEMBLY FOLLOW INSTRUCTIONS SHEET

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Frequently Asked Questions (FAQ)