

Explosion Proof Rotary Dimmer Switch C1D1&2 - C2D1&2 - Class III - 50mA Instruction Manual

Do not attempt operation until you are familiar with all warnings, precautions, and procedures outlined within this instruction sheet. Read carefully before operating. Retain these instructions for future reference.

WARNING:

USER SHOULD BE TRAINED IN THE PROPER USE AND MAINTENANCE OF THIS DEVICE. IF PROPER INSTALLATION PROCEDURES ARE NOT FOLLOWED EXACTLY, THE DIMMER SWITCH MAY NOT BE SUITABLE FOR THE HAZARDOUS LOCATION INVOLVED.

PERIODIC INSPECTION OF THE DIMMER BOX IS NECESSARY.

ALL LOCAL AND NATIONAL ELECTRICAL/BUILDING CODES MUST BE FOLLOWED WHEN INSTALLING THIS DEVICE. FOR CODE INTERPRETATION, CONSULT YOUR LOCAL AUTHORITY. PRODUCT MUST BE USED ONLY WITH ALL CAP THREADS FULLY ENGAGED. DO NOT USE IF DAMAGED.

INSTALLATION

We strongly recommend that only a licensed electrician install this product.

The 0-10 volt DC Low Voltage Dimming Control is for use with LED drivers, and others compatible with a 0-10V current sinking control. Features logarithmic response and reverse polarity protection.

WARNING: Mis-wiring Low Voltage Dimming Control could cause permanent damage to dimmer.

DO NOT connect this control to line voltage.

DO NOT connect with power applied.

1. Choose a suitable location to mount the dimmer where conduit can reach the box. 3/8"-16 or 3/8"-24 bolts are recommended for mounting the box with a minimum bolt length of 1/4" depending on the location.
2. Remove front cover and Run control wire to driver with conduit following appropriate methods.
3. Wire according to the wire diagram. Violet and Gray wires go to control wires on driver.
4. Close all unused ports and replace cover.



OPERATION

Rotate until desired light output is achieved. Do not force the dimmer passed its stopping point as this could damage the dimmer.

MAINTENANCE:

Electrical and mechanical inspection of all components must be performed on regularly scheduled basic, determined by the environment and frequency of use. It is recommended that inspection be performed a minimum of once a year.

USE AND CARE

Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Always check damaged or worn out parts before using the unit. When not in use, store it in a secure place. Inspect for good working condition prior to storage and before re-use.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-800-369-6671 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR WARRANTY AND RETURN INFORMATION.