

# AUDACY®

## ESCGRID1000 (PWM) & ESCGRID1001 (0-10V DIMMING) LUMINAIRE CONTROLLERS, LVDC GRID-MOUNT INSTALLATION INSTRUCTIONS

**OPERATING VOLTAGE: 24V DC**

**MAXIMUM AMPERE DRAW: 4.1 AMPS**

**MAXIMUM POWER: 100 WATTS**

Wiring must comply with all applicable electrical codes. Turn off power before removing or installing controller. "Suitable for use in air-handling space." Dry locations only. For use with Armstrong DC FlexZone™ grid versions Suprafine and Silhouette (not intended for power connection to the Silhouette bus locations).

**WARNING:** THIS IS A CURRENT RATED DEVICE. USE IN APPLICATIONS INVOLVING AMPERAGE BEYOND ITS RATING CAN BE DANGEROUS AND CAUSE ELECTRICAL FIRES.

**WARNING:** TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR OTHER SHARP OBJECTS.

**WARNING:** INTERCONNECTION OF MORE THAN ONE POWER SUPPLY SOURCE TO A SECTION OF GRID RAIL BUS MAY PRESENT A FIRE HAZARD.

**WARNING:** THIS DEVICE USES PWM DIMMING CONTROL FOR CONSTANT VOLTAGE TO LED FIXTURES RATED AT 24 V DC.

**WARNING:** POWER CABLES ARE NOT TO BE SPLICED. CABLES SHALL BE TERMINATED ONLY AT THE CONNECTION TO THE POWER SUPPLY, LOW VOLTAGE EQUIPMENT OR CONNECTORS SUPPLIED AS PART OF THE SYSTEM.

**WARNING:** THE SUSPENDED CEILING GRID, LOW VOLTAGE LIGHTING SYSTEM HAS NOT BEEN INVESTIGATED FOR USE IN:

- A. HAZARDOUS LOCATIONS AS SPECIFIED IN THE NATIONAL ELECTRICAL CODE, ANSI/NFPA 70 AND CEC SECTION 18.
- B. GENERAL PATIENT CARE AREAS OR CRITICAL PATIENT CARE AREAS AS DEFINED BY ARTICLE 517 OF THE NATIONAL ELECTRICAL CODE, ANSI/NFPA 70 AND CEC SECTION 24.
- C. EMERGENCY SYSTEMS AS DEFINED BY ARTICLE 700 OF THE NATIONAL ELECTRICAL CODE, ANSI/NFPA 70 AND CEC SECTION 46.

**NOTE:** A maximum of 4 ESCGRID1000 or ESCGRID1001 controllers can be placed per 20 sq. ft. area of DC FlexZone ceiling grid.

### LIST OF MATERIALS:

1. ESCGRID1000 or ESCGRID1001 Luminaire Controllers
2. Installation Instructions

**WIRE RANGE (COPPER ONLY - USE PLENUM RATED CABLE OR WIRES ONLY):** 18 AWG STRANDED (7 STRANDS)

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### INSTALLATION INSTRUCTIONS (CABLE TO ORANGE 182S MALE/FEMALE CONNECTOR):

1. Turn off power before working on connections.
2. Use copper conductors only.
3. Strip Outer jacket (if applicable) approximately 2".
4. Strip each conductor 3/8".
5. **IMPORTANT:**  
For ESCGRID1000: The Black mark on the orange connector indicates the port with positive polarity(+). The other port is negative (-) polarity to the fixture. See Figure A.  
For ESCGRID1001: The purple wire (Dim +) is inserted into Black mark port. Grey wire (Dim -) is the other port. See Figure A-1.
6. Align the strands and push each wire into the individual ports.
7. Verify all strands are firmly in the connector.

Figure A



Figure A-1



### INSTALLATION INSTRUCTIONS (ESCGRID1000/ESCGRID1001 CONTROLLER ONTO DC FLEXZONE GRID):

8. Verify that the jaws are OPEN. If not, use a twisting and pulling motion to release the two halves of the controller in order to open jaws. See Figure B.
9. Slide controller over grid member from the top of the grid section making sure the contacts are properly centered over the grid. Damage can occur if the contacts are placed at an angle. See Figure C.
10. Press the controller halves back together to apply the controller to the grid bus. You will feel a click when controller has been applied fully and locked. See Figure D for ESCGRID1000. See Figure E for ESCGRID1001.

Figure B



Figure C

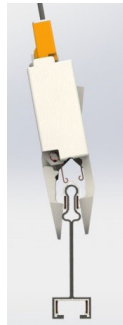


Figure D

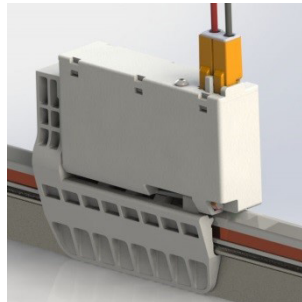
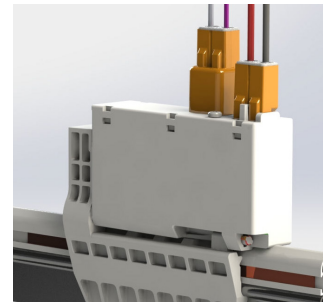


Figure E



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