

SINGLE ROOM CONTROLLER

RETROFIT KIT INSTALLATION INSTRUCTIONS

OPERATING VOLTAGE

SRC2100: 120/277V AC

Maximum Ampere draw: 5.0 Amps

Wiring must comply with all applicable electrical codes. Turn off power before removing or installing controller.

WARNINGS

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

WARNING: RISK OF FIRE OR ELECTRICAL SHOCK. CONVERSION KIT INSTALLATION REQUIRES KNOWLEDGE OF FLUORESCENT AND LED LIGHTING LUMINAIRES ELECTRICAL SYSTEMS. IF NOT QUALIFIED, DO NOT ATTEMPT INSTALLATION. CONTACT A QUALIFIED ELECTRICIAN.

WARNING: ONLY THOSE OPEN HOLES INDICATED IN THE PHOTOGRAPHS AND/OR DRAWINGS MAY BE MADE OR ALTERED AS A RESULT OF KIT INSTALLATION. DO NOT LEAVE ANY OTHER OPEN HOLES IN AN ENCLOSURE OF WIRING OR ELECTRICAL COMPONENTS.

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

WARNING: RISK OF FIRE OR ELECTRIC SHOCK. INSTALL THIS KIT ONLY IN THE LUMINAIRES THAT HAVE THE CONSTRUCTION FEATURES AND DIMENSIONS SHOWN IN THE DRAWINGS AND WHERE THE INPUT RATING OF THE RETROFIT KIT DOES NOT EXCEED THE INPUT RATING OF THE LUMINAIRE.

THIS RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION.

LIST OF MATERIALS

1. SRC2100 Audacy® Single Room Controller
2. IDEAL® Wire Connectors
3. Junction box mounting screws
4. Installation instructions

Figure A: SRC2100 Mounted in Junction Box



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WIRING REFERENCE

LINE HOT (BLACK): Incoming power feed from premise wiring

LOAD HOT (RED): Power output from Luminaire Controller to Driver AC power input

NEUTRAL (WHITE): Power feed and power output neutral connection

GROUND (GREEN, GREEN/YELLOW, BARE COPPER): AC Ground connections

DIMMING (PURPLE +, GRAY -): 0-10V DC dimming control output from Luminaire Controller to ballast/LED driver dimming input

Note: SRC2100 has dimming wires coming out of housing wrapped in heat shrink.

NEW OR RETROFIT INSTALLATION

1. Pull out all wires from the junction box and verify wires are between 18 -12 gauge wire. Strip roughly ½ inch of insulation from the end of each wire. Separate the wires to identify each wire color.
2. Separate the wires on the back side of the SRC2100 and make sure all wires are stripped. You will want to separate the ground wire. This grounding wire will be connected to a grounding fastener in the junction box, or to the ground wire located in the box.

Figure B: Exposed Junction Box with Wires Sorted and Stripped

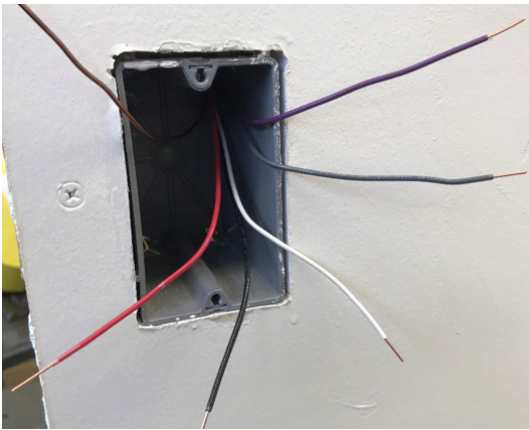


Figure C: SRC2100 with wires, grounding wire located.

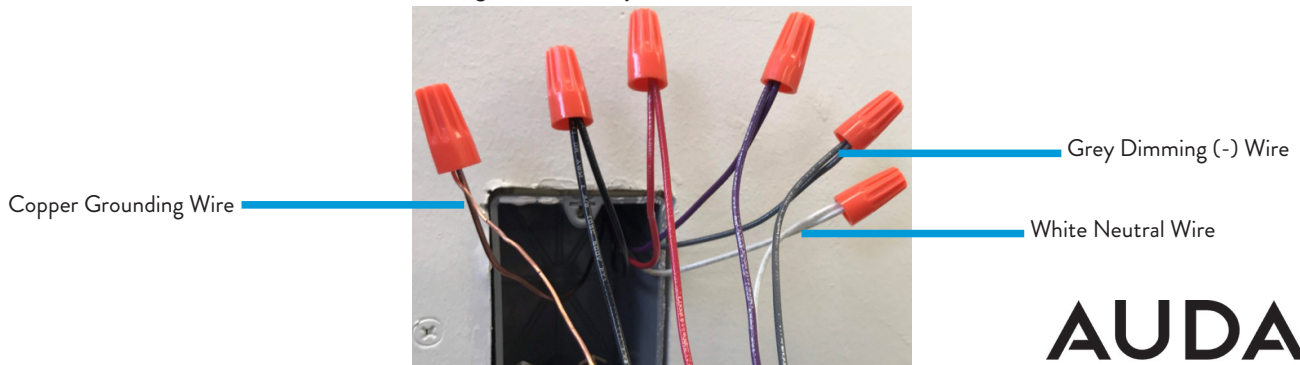


CONNECTING THE WIRES

Power Connections:

1. Attach the BLACK (HOT) conductor of the Single Room Controller to the line voltage using a splicing wire connector.
2. Splice the WHITE (NEUTRAL) conductor of the Single Room Controller to the LINE neutral wire, splice the neutral wire if necessary to connect additional wall switches. See Figure D.
3. Connect the RED (LOAD) hot switched wire to the hot wire located in the junction box.
4. Connect the GROUND (GREEN, GRN/YLW, BARE COPPER) wire from the Single Room Controller to the equipment ground conductor, or ground conductor wire located in the junction box.
5. Connect the DIMMING wires (Purple (+), Grey (-)) to the dimming wires and equipped in the junction box.

Figure D: Wires Spliced with Wire Connectors



WIRING DIAGRAMS

Exhibit 1: Standard Fixture/Switch Layout

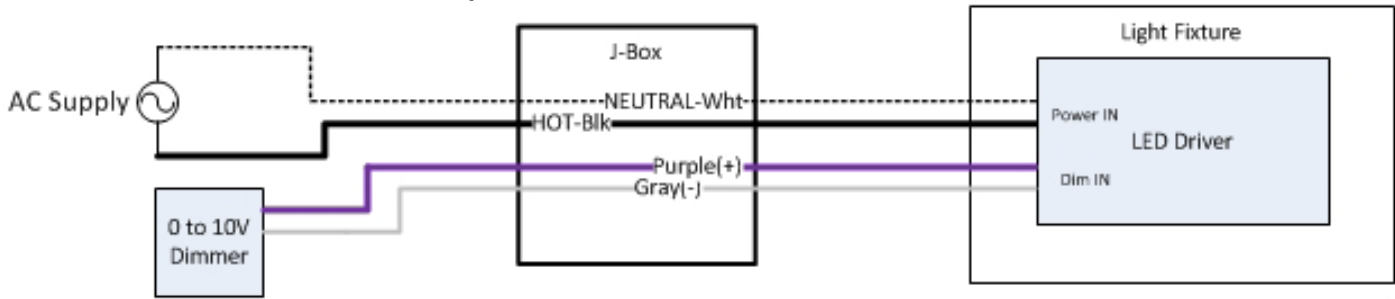
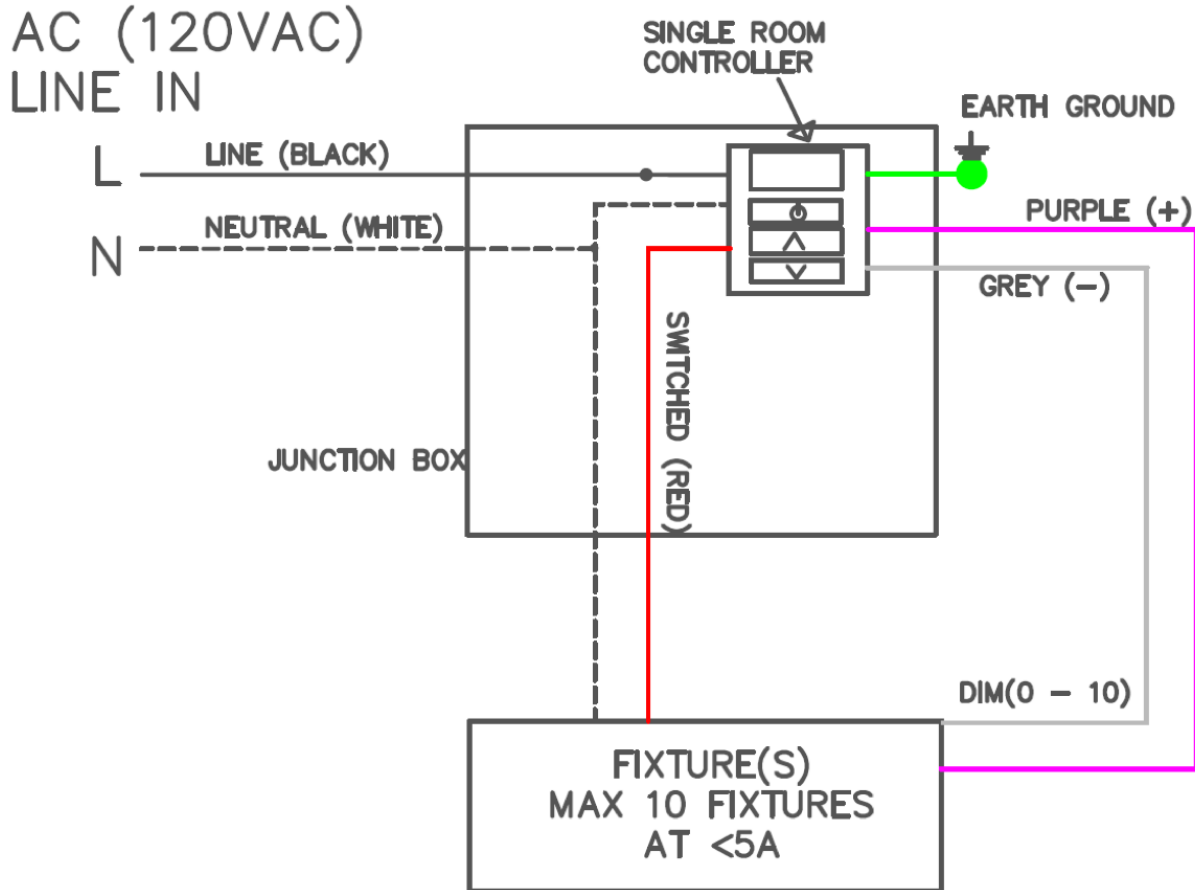


Exhibit 2: Single Room Controller with 1 Fixture



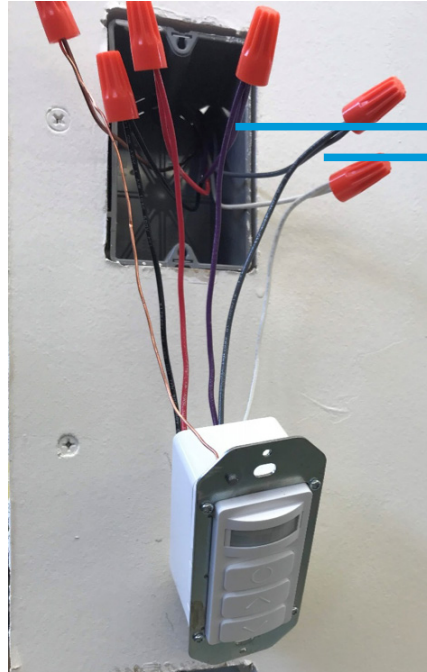
DIMMING CONNECTIONS

Ensure that no copper is exposed on any of the wires after installation.

If not using a dimmable ballast or LED driver ensure that the purple and gray dimming wires are properly capped so no copper is exposed. The dimming circuit can drive a maximum of 20 dimmable ballasts or LED drivers.

1. Connect the positive/(+)/purple DIM conductor of the Single Room Controller to the positive/(+) dimming input of the ballast or LED driver. See Figure E.
2. Connect the negative/(-)/gray DIM conductor of the Single Room Controller to the negative/(-) dimming input of the ballast or LED driver. See Figure E.

Figure E: SRC2100 Ready to be Placed in Junction Box



Purple and grey wires properly attached to the corresponding dimming wires

SERIAL NUMBER TRACKING

1. Remove the 2 tear-away stickers that contain the serial number of the Single Room Controller.
2. Apply these to a drawing of the space containing the fixture or a tracking sheet to identify the serial number and its location in the room.
3. If these tear away labels are missing, please write down the serial number of the Single Room Controller in a safe place.
4. These serial numbers are required in order to have a complete Audacy operating system.



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