

For ConTech Lighting Regulator™ Track Powerfeed

The Regulator product line consists of power feed housings, either in-line or end-feed for both single- or 2-circuit 120V track, to be used with load limiting circuit breakers (sold separately) that limit the amount of wattage allowed on each circuit. The circuit breaker can also be used as an ON/OFF switch. The illuminated rocker switch indicates that power is being supplied to the track.

INSTALLATION PROCEDURES

1. Temporarily remove housing cover.
2. For mounting the Regulator on a 4" octagon junction box, remove the center knock out by inserting a screwdriver in the pry-out slot and bending KO until it separates from the base plate.
3. Pass the power supply wires located in the junction box through the center KO.
4. Secure base plate to the junction box using (2) screws (provided by others) and (2) of the remaining mounting slots in the base plate.
5. Attach wire pigtails to the circuit breaker using the quick connect push on terminals. **Note which pigtail is connected to the line side of the circuit breaker.**
6. Insert the proper circuit breaker(s). The faceplate of the circuit breaker should have the ampere/wattage ratings showing on the exterior of the breaker. With the rating label facing up, into the desired mounting hole located on the sides of the base plate.
7. **Single Circuit Wiring Instructions**
 - Connect wire pigtail from the LINE side of circuit breaker to the HOT supply wire from junction box.
 - Connect wire pigtail from the LOAD side of the circuit breaker and the smaller RED wire from the circuit breaker to the brass screw terminal marked "P" on the track connector.
 - Connect the smaller black wire (with resistor) and the white NEUTRAL wire from the junction box to the silver screw terminal marked "N" on the track connector.
8. **Two Circuit Wiring Instructions**
 - For Circuit 1, connect wire pigtail from the LINE side of circuit breaker 1 to the Circuit 1 HOT supply wire from junction box.
 - Connect wire pigtail from the LOAD side of circuit breaker 1 and the smaller RED wire from circuit breaker 1 to the brass screw terminal marked "P1" on the track connector.
 - For Circuit 2, connect wire pigtail from the LINE side of circuit breaker 2 to the Circuit 2 HOT supply wire from junction box.
 - Connect wire pigtail from the LOAD side of circuit breaker 2 and the smaller RED wire from circuit breaker 2 to the brass screw terminal marked "P2" on the track connector.
 - Connect the smaller black wire (with resistor) from circuit breaker 1 and 2 and the white NEUTRAL wire from the junction box to the silver screw terminal marked "N" on the track connector.
 - Connect green ground wire to the green ground screw terminal.
9. Using a sharp knife or blade remove the necessary circuit breaker cut-out(s) from the housing cover.
10. Slide track onto Regulator connector with the arrow on the connector pointing towards the polarity line on the face of the track. Position track and mark the mounting surface showing the location of the mounting holes in the track. Temporarily remove the track in order to drill the necessary holes for track mounting hardware. Reinstall track onto the connector and then secure track to mounting surface using toggle bolts supplied with track.
11. Tighten tamper proof connector screw using the included driver bit.
12. Check all terminal screws to insure a tight connection then position cover and secure using tamper proof screws and driver bit provided.

Note 1: When used with a suspended track system, do not use the Regulator as a support point. Support track as required and bring power supply wires to the regulator using flexible or rigid conduit.

Note 2: When using a LA-23T-R on a plasterboard ceiling, use a 4" square junction box with a single gang plaster ring. The back of the LA-23T-R can not mount to the single gang plaster ring because it only has a 7/8" knockout as a feed location.

Note 3: Because of variables related to power supply voltage and lamp loads, large tolerances may exist in a lighting system. It is possible the circuit breaker may trip off even if the total wattage on the circuit is equal or slightly less than the amount indicated on the breaker. If this occurs, reduce the wattage on the circuit until the breaker remains on.

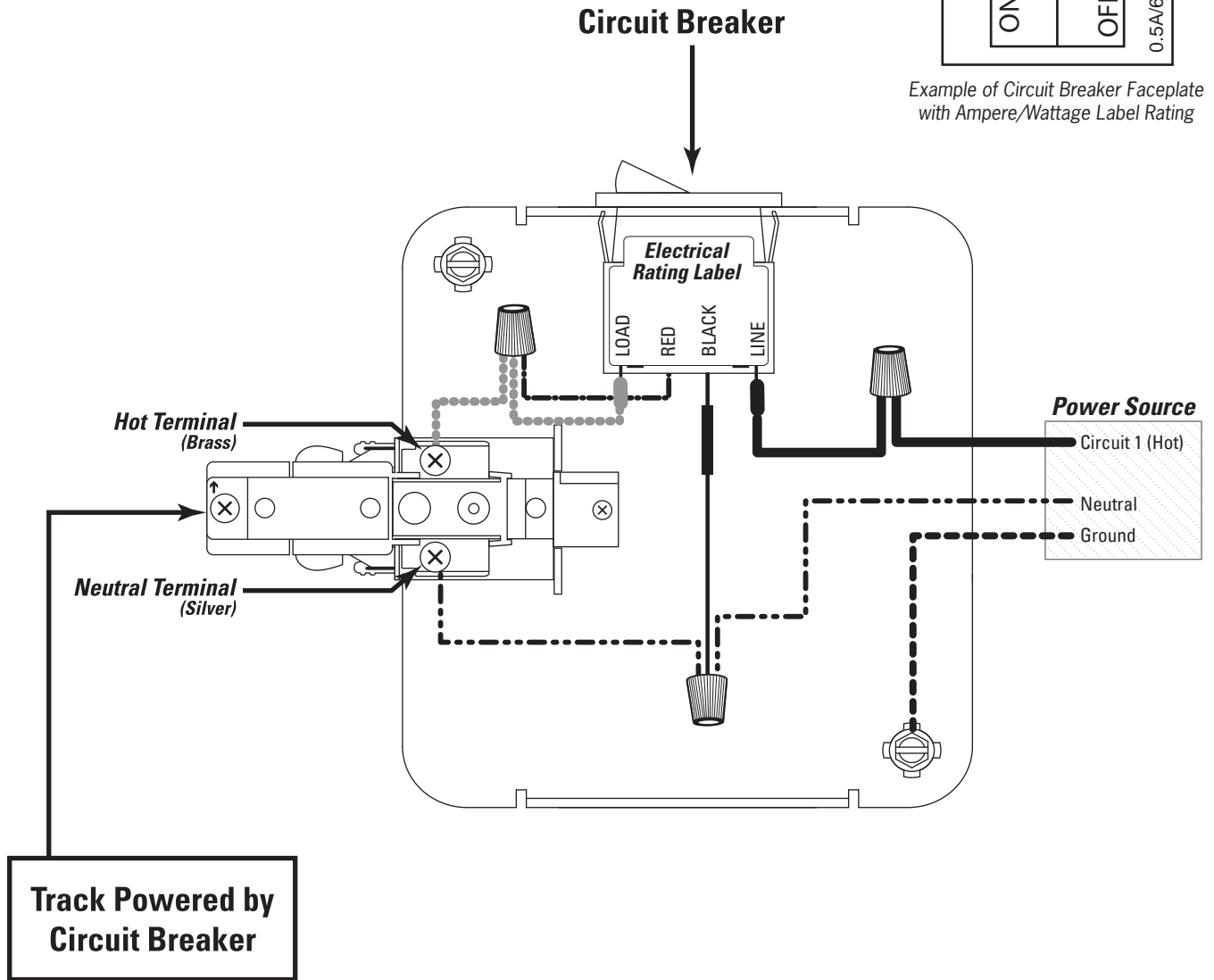
15. Install the California Title 24 Current Limiting device sticker (included) in the electrical panel.

IMPORTANT SAFETY INSTRUCTIONS:

- Read all the instructions before installation. Save instructions for later use.
- Turn off the power at fuse or circuit breaker box before installation or maintenance work.
- Wear rubber soled shoes and work on a sturdy wooden or non-conductive ladder.
- Product must be mounted in locations and at heights in compliance with National Electrical Code and local building codes. For indoor, dry location use only.
- Do not exceed the nominal supply voltage or amperage ratings.
- Make sure that all the screws are properly tightened.
- To reduce the risk of fire and electrical shock, use only fixtures and fittings intended for use with ConTech single or 2-circuit 120V systems.
- Track and all components are rated for 120V, 20AMP capacity. (1920 Watts max at 120 Volts)
- Use 12 AWG supply wire required for 20AMP capacity observing correct polarity.
- Use only ConTech Regulator circuit breakers (sold separately) to limit lighting load on the circuit.
- Installing contrary to instructions may cause unsafe conditions.
- **Warning:** Risk of fire. Most dwellings built before 1985 have supply wire rated at 60°C. Consult a qualified electrician before installation.
- Avoid hazards to children: account for all parts and properly dispose of all packing materials.
- Call the Technical Support department at ConTech Lighting with any installation questions.



Example of Circuit Breaker Faceplate with Ampere/Wattage Label Rating



HOT:

LOAD:

NEUTRAL:

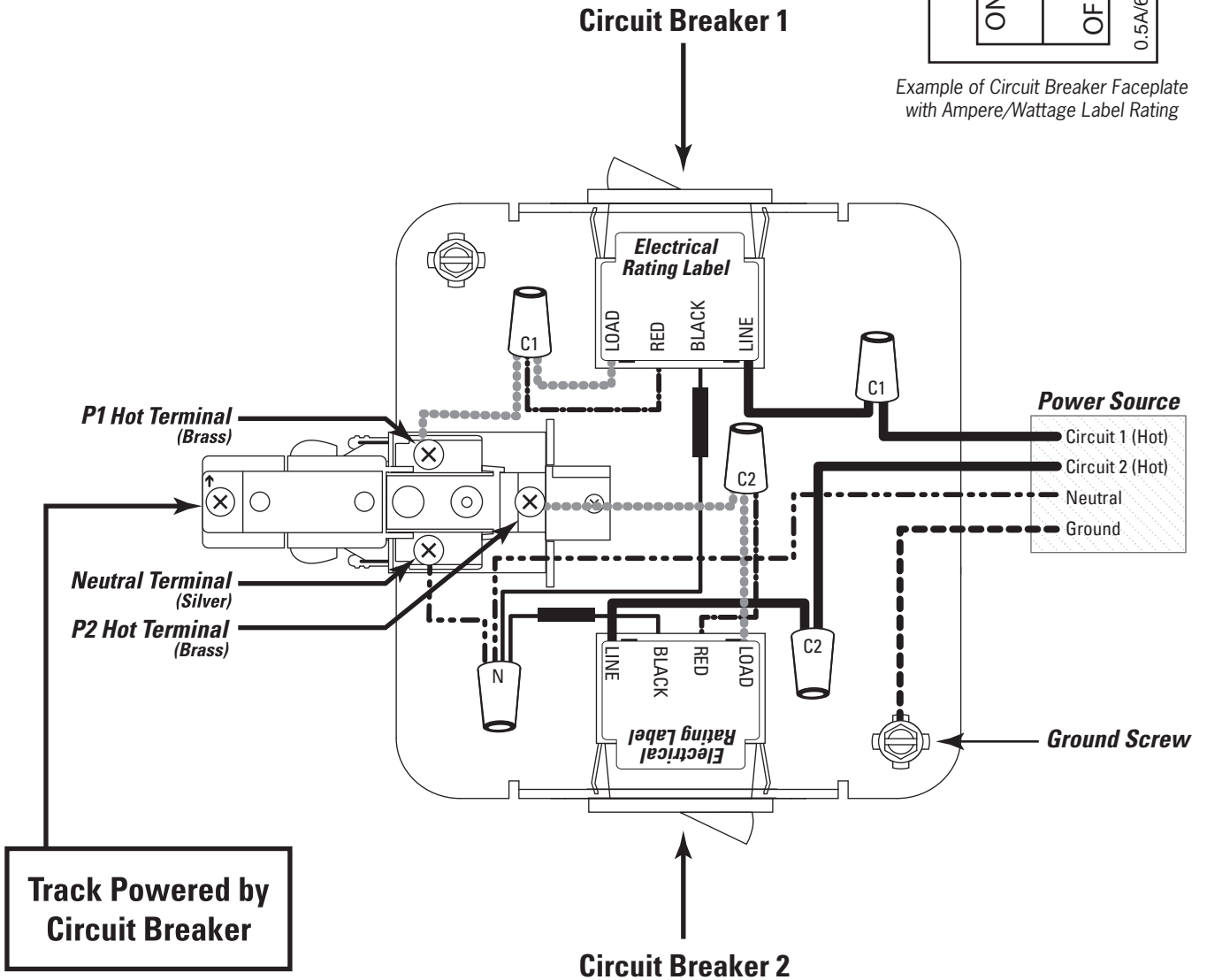
GROUND:

SELF-ILLUMINATED
BREAKER CONDUCTOR:
(With Resistor - Black)

SELF-ILLUMINATED
BREAKER CONDUCTOR:
(Red)



Example of Circuit Breaker Faceplate with Ampere/Wattage Label Rating



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LOAD:

NEUTRAL:

GROUND:

SELF-ILLUMINATED
BREAKER CONDUCTOR:
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