Leviton Load Center
First Time User Guide

Thank you for choosing the Leviton Load Center!
This First Time User Guide offers tips and support.

Installing the Leviton Load Center

The Leviton Load Center installs up to 25% faster, making it a favorite among pros. The easy, all plug-on design speeds up installation, saving valuable time and increasing productivity. Breakers simply snap in and out – no wiring to circuit breakers up to 60A for copper wire, and 50A for aluminum wire.

Covers and Doors

For indoor panel installations, there are two cover and door options, both featuring an all-white, sleek aesthetic – standard or window doors. The window door features a clear front, allowing for safe breaker diagnosis without ever opening the panel*.
A temporary circuit directory is supplied on the Paint Shield (Figure 1).

Each Load Center ships with a standard Panel Schedule. Window Doors/Covers include an alternate Panel Schedule that is compatible with the door design. Additionally, Panel Schedules for all Indoor panel sizes and door types can be purchased in bulk packs, and are available as a .PDF download on Leviton.com.

Figure 1:
30 Space Paint Shield

Breakers

Neutral wires must terminate at the circuit breaker for all smart and safety breakers (AF, GF, EP, Dual). However, it is the preferred method for all circuits.

For 2-pole breakers that are 60A or lower, the Neutral wire must be installed in-between the two phase wires where the “N” is denoted on the breaker (Figure 2).
For 2-Pole breakers greater than 60A, the Neutral wire must go to the Neutral bar (Figure 3).

All non-electronic 2-Pole breakers, as well as -G breakers operate at both 120/240V and 120/208V. A Leviton Surge Protective Breaker can be installed in any breaker location to provide whole-panel surge protection, as well as visual indication of protection status. It also provides overcurrent protection for the spaces/circuits it inhabits. A Leviton Surge Protective Breaker can be installed in any breaker location to provide whole-panel surge protection, as well as visual indication of protection status. It also provides overcurrent protection for the spaces/circuits it inhabits.

Figure 2:
2-pole breaker with “N” denoted to show where to install the neutral wire

Important Tips

- All panels 20-Space and larger come with 23 ground terminals, factory installed. Each terminal is rated for landing multiple wires per the panel label.
- There are 6 pre-drilled areas for additional ground bars on the back of the enclosure.
- There is no need to remove the screw that bonds the structure back to the enclosure.
- NEC® 2020 code 3-Wire vs 4-Wire 240V appliance Circuit Grounding: Many 240V appliances have the Ground and Neutral wires connected together in the appliance from the factory. This only works for a 3-wire hook up with no ground connection. When installing the appliance on a new install with 3 wires and a ground, the grounds and neutrals must be separated by removing the ground strap in the appliance. If the ground strap is left installed, then GFCI breakers will not reset.
- Utilize the bonding strap (Figure 4) for all service entrance panels. DO NOT use the bonding strap in a main lug only panel.

*Indoor cover/doors sold separately.

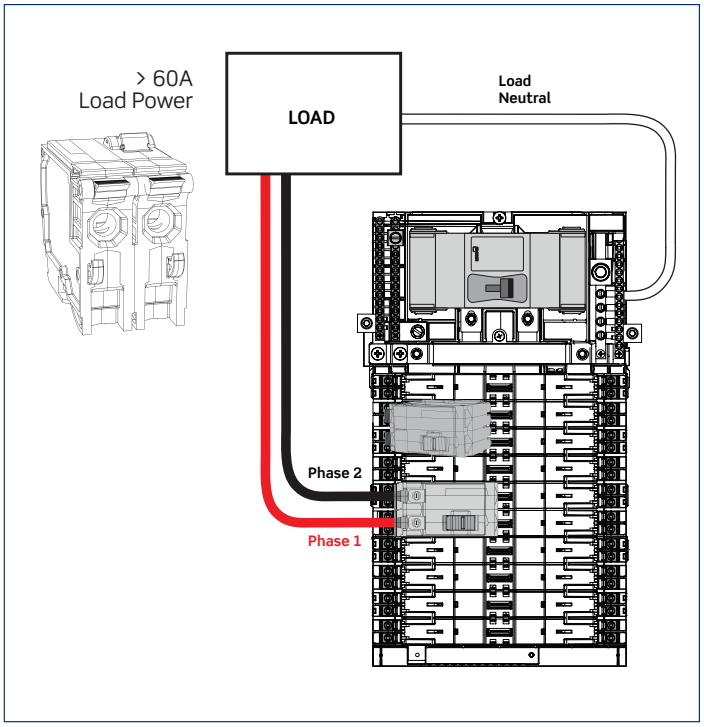

Figure 3:
Neutral wire placement for 2-pole breakers greater than 60A.

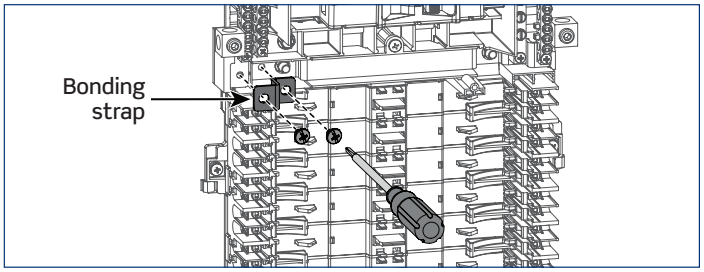

Figure 4:
Bonding Strap

If you have any questions, we're here to help:

1-800-824-3005, Option 4.

Leviton Manufacturing Co., Inc.
Tech Line: 1-800-824-3005
Mon-Fri 8am-10pm EST, Saturday 9am-7pm EST, Sunday 9am-5pm EST
For 24/7 product support visit **www.leviton.com/support**

Visit our Website at: www.leviton.com

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