

The Leviton Load Center

THE FUTURE MADE CURRENT





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Raising the Bar ...Again

For over 110 years, Leviton has cultivated a rich tradition of safety and innovation, developing electrical products that set the industry standard in technology and help to keep families safe and homes protected. This expertise has now come full circle with the introduction of a smarter solution for the home's electrical management hub:

the new Leviton Load Center.

Drawing upon our experience as a leader in the electrical industry, Leviton applied the latest technology to engineer a residential load center that's easy to install, logical in functionality, aesthetically appealing and adept at delivering more complete protection for optimal safety.

As a trusted name and business partner, the Leviton brand is consistently preferred by builders and contractors for wiring devices, lighting controls and switches. Now the Leviton Load Center is propelling the industry forward with a relevant, smart solution and setting a new standard in the residential electrical landscape for both installers and users.

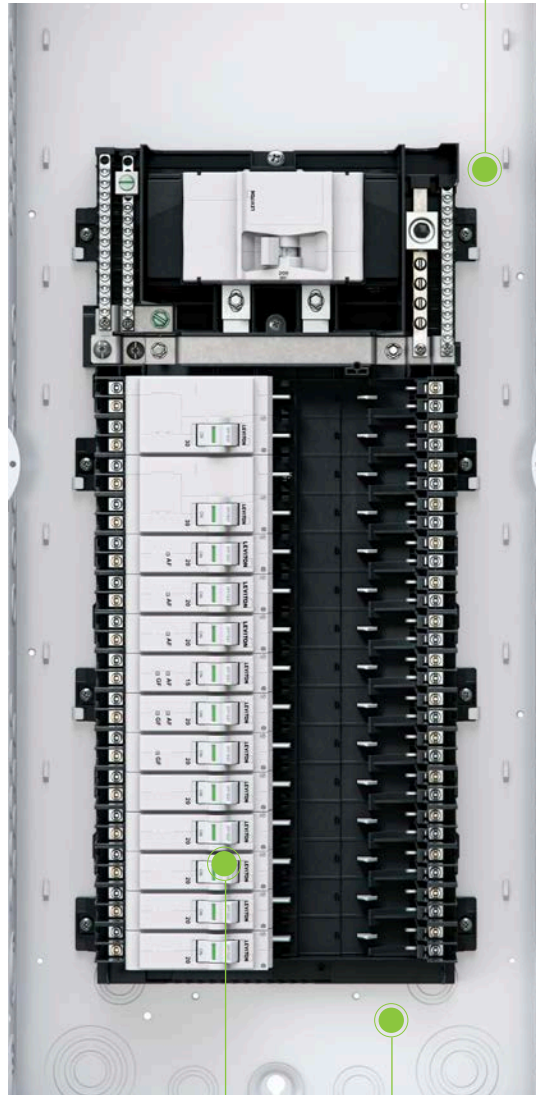
Introducing the Leviton Load Center



One look will tell you the Leviton Load Center is a step above the rest. With a focus on improved safety, revolutionary design, attention to common sense functionality and ease of installation, Leviton takes the load center into the 21st century. Contractors, builders and homeowners will all agree that the time is right for a more efficient, updated load center and Leviton delivers.

At a Glance

The Leviton Load Center offers a wide range of advantages in **three essential elements**:



Ease of Installation

- Terminate all hot and neutral wires at custom lugs in the panel, not at the circuit breaker*
- The entire panel can be wired at rough-in without circuit breakers installed
- At final installation, simply plug-on the circuit breaker
- No pigtails on circuit breakers – ever
- Easily invertible for bottom feed applications
- Copper bus is a standard feature on all load centers
- Notches stamped into the enclosure for cable ties promote secure and neat wiring

Enhanced Safety

- Hydraulic-Magnetic trip technology ensures precise tripping even in extreme temperature ranges***
- Leviton GFCI, AFCI and Dual Function circuit breakers feature our patented reset lockout and will not reset if Ground or Arc Fault protection is compromised
- GFCI circuit breakers exceed UL requirements

Approachability

- Unique rocker-style actuator for easy switching
- Color indicators in the actuator handle designate operational status at-a-glance
- White circuit breakers display a clean, sleek appearance
- Intuitive LEDs help communicate trip condition and type of fault (AF/GF) and remain illuminated even when the circuit breaker is in the tripped state
- White indoor enclosure with optional observation window**

* For applications up to 60A when using copper wire; or 50A when using aluminum wire

** Outdoor enclosures come in standard gray

*** From -40°C to 85°C



Leviton circuit breakers are the only Residential branch circuit breakers on the market featuring an entirely plug-on design*.

Hot and Neutral wires terminate at custom lugs in the panel, not at the circuit breaker, eliminating pigtails*.



Easy to Install

Fast, efficient, clean. The Leviton Load Center helps make installation easier by allowing branch wiring without the circuit breaker*. All connections are made during the insertion of the circuit breaker, providing ample room for hands to move and work freely.



The Leviton Load Center is free of excess wires and pigtails, allowing easy access during installation and for inspectors to check torque.

“ Not only is installation **quick and organized**, it's neater, too. ”

*For applications up to 60A when using copper wire; or 50A when using aluminum wire

Safety Priority One

As the electrical hub of the home, safety starts at the load center. The Leviton Load Center is designed and engineered utilizing the latest safety technologies, incorporating GFCI, AFCI and Dual Function circuit breakers into the heart of the load center to help protect families and homes.

Superior GFCI/AFCI Protection

Leviton GFCI, AFCI and Dual Function circuit breakers feature our patented reset lockout and will not reset if Ground or Arc Fault protection is compromised.

Exceeding the Standard

- Solenoids and SCRs are vital to tripping a GFCI and AFCI in the case of a ground and arc fault and if either fails, ground and arc fault protection is lost
- Leviton GFCI and AFCI circuit breakers will notify the end user of this failure by preventing the circuit breaker from being reset



More Complete Protection

Why take chances? Other load centers may allow users to reset circuit breakers and unknowingly **NOT** be protected from shock or fire hazards due to arcing.

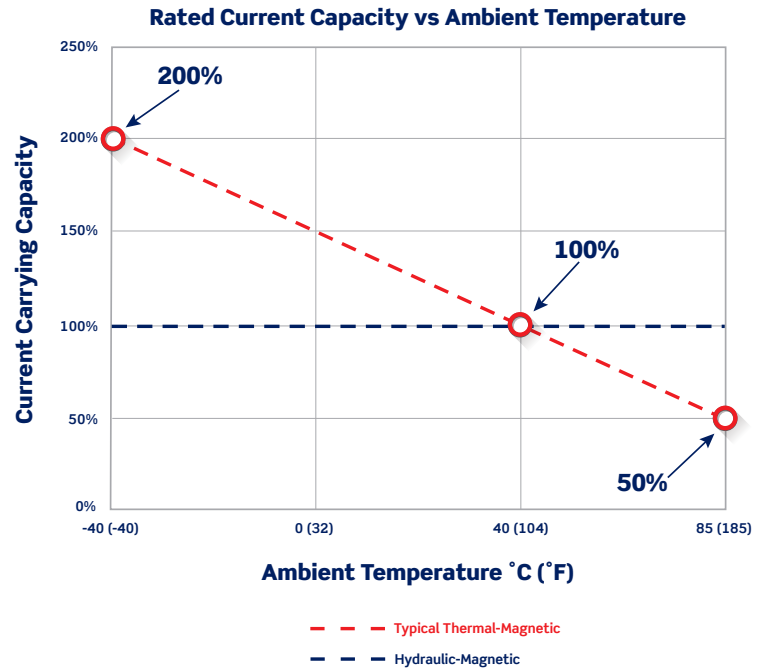
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Leviton circuit breakers **with GFCI technology exceed UL's requirement** for Ground Fault Protection.

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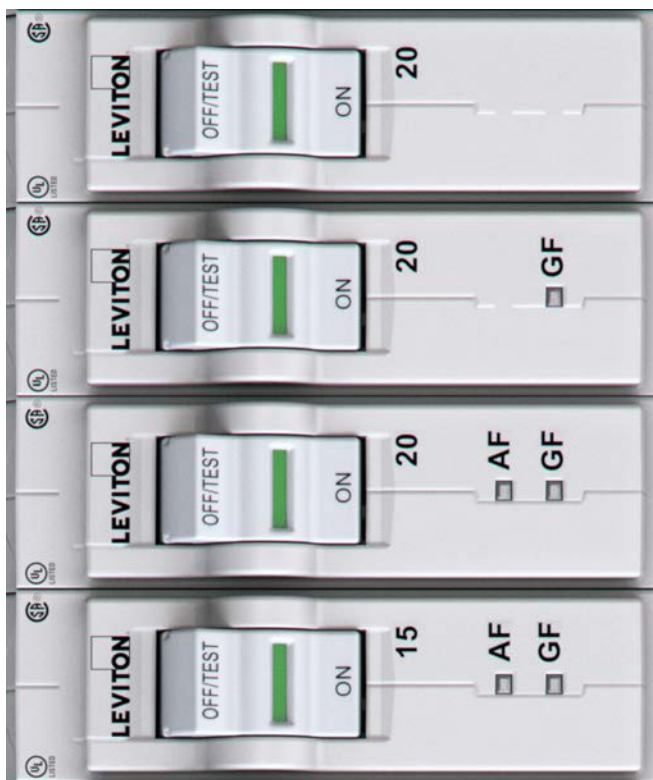
Hydraulic-Magnetic Trip Technology

By using Hydraulic-Magnetic Trip Technology, the Leviton Load Center exceeds expectations, allowing circuit breakers to operate as intended over a wide range of temperature extremes: -40°C to 85°C without re-rating. This offers peace of mind to users whose load centers are located in garages or outdoors where extreme temperatures are common.



The graph above represents the trip point of a typical Thermal-Magnetic circuit breaker versus a Hydraulic-Magnetic one. Hydraulic-Magnetic circuit breakers are more precise and trip at their marked rating at a wide range of temperature extremes.

Thermal-Magnetic circuit breakers are temperature dependent and may false trip, or not trip, at their rated current in extreme temperatures.



LED Diagnostics

Leviton circuit breakers incorporate LEDs so users can easily identify the trip condition and type of fault (AF/GF). The circuit breaker is line-side powered to ensure that the LEDs remain lit when a circuit breaker is tripped. This line-side powered feature is an important element in the overall safety platform.

Modern Design. Intuitive Functionality. Appealing Aesthetics.

Finally, a state-of-the-art load center that offers homeowners the comfort of approachability.



Our new circuit breakers feature Leviton's iconic rocker handle with color indicators to designate operational status at-a-glance. The lower actuation force required for switching brings a familiar look and feel for a more comfortable user experience.



The Approachable Load Center

With individual models tailored for indoor and outdoor use, intuitive LED status indicators, and comfortable rocker switches on each circuit breaker, the Leviton Load Center offers the practical, approachable solution for installation in any location.

- For indoor mounting, the Leviton Load Center features a white enclosure housing white circuit breakers, creating an inviting and aesthetically appealing unit. An optional observation window in the cover permits users to see at-a-glance the operating state of all the circuit breakers without opening the cover.

- For outdoor mounting, the Leviton Load Center enclosure is gray, weather-resistant and utilizes a solid cover housing white circuit breakers. The unit is tough enough to withstand the elements yet visually appealing to homeowners.

All models feature clear ON/OFF/TRIP positions on the individual circuit breakers, making it fast and easy to determine which circuit breaker(s) is tripped without having to physically handle the circuit breaker itself, like some competitors.

“

LEDs on Leviton circuit breakers provide a **simple visual indicator** of the trip condition and type of fault (AF/GF).

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The Complete Package

From the size of the enclosure to the selection of individual circuit breakers and accessories, Leviton guarantees quality materials and adherence to the highest standards of manufacturing for years of reliable service.



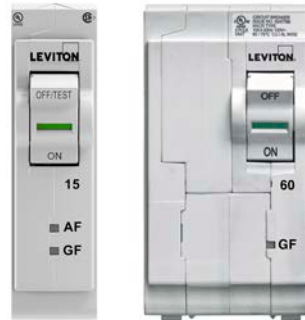
Enclosure Options

Select from 20, 30 or 42 position enclosures, with or without an observation window; other options include an eight circuit breaker capacity Meter Main unit and a Meter-Load Center Combination with 30 or 42 circuit breaker capacity.

Outdoor units are weather-resistant for added protection from the elements.

Main and Branch Circuit Breakers

Select from over 40 different variations of circuit breakers - AFCI, GFCI, AFCI/GFCI, GFPE and Standard - with various amp ratings in one or two pole options. This extensive collection gives you the flexibility to populate the Leviton Load Center with the most advanced circuit breaker protection on the market to help ensure a safer living environment.



Accessories

Locking devices, lugs, ground and neutral bar kits, conduit hubs, sealing rings and more. Leviton has a full range of accessories to meet every need, assuring that all components align for optimal performance.



Surge Protection

Our meter-based devices safeguard against external surges caused by lightning or utility capacitor bank switching. They are easy to install and provide critical protection of up to 50,000 peak Amps of surge current per mode.



For protection against residual lightning energy and other internally generated surges, such as those caused by off/on switching of pumps, motors, and HVAC units, Leviton offers surge protective devices which are mounted to the load side of the Leviton Load Center. These devices feature real-time diagnostic visual indicators which show power and protection status for each phase.