

Leviton Load Center 2nd Gen Smart Circuit Breakers

with Remote Control Functionality



APPLICATION

Leviton 2nd Gen Smart Circuit Breakers provide unprecedented control of your Leviton Load Center, allowing circuits to be turned OFF and ON remotely, or via a predefined schedule in the My Leviton app. Combined with real-time energy consumption data, historical graphs, anomaly detection, notifications, and remote firmware updates, Leviton 2nd Gen Smart Circuit Breakers are the smart solution for your home's electrical system.

For applications with Automatic Transfer Switches, Leviton 2nd Gen Smart Circuit Breakers with Remote Control can be configured as either essential or nonessential.* When backup generator power becomes active, an automated response will shed any loads configured as nonessential. Controlling high-current loads with 2nd Gen Smart Circuit Breakers can eliminate the need for a secondary Essential Loads Panel when a Leviton Load Center is powered by a compatible generator.

Remotely scheduling and controlling circuits with 2nd Gen Smart Circuit Breakers gives homeowners a simple and effective way to prevent unnecessary usage and save money. Setup a schedule to turn OFF your hot water heater at night, or remotely turn off the circuit connected to your high current pump while on vacation.

*Requires the LWHEM be integrated with an Automatic Transfer Switch via the blue contact input. Only 2nd Gen Smart Circuit Breakers with Remote Control can be configured as nonessential and shed loads when backup power is active. All standard (non-smart) and 1st Gen Smart Circuit Breakers will remain ON unless physically turned OFF.

FEATURES AND BENEFITS

- **Smart:** Easily access your 2nd Gen Smart Circuit Breakers with Remote Control and home's energy data via smart-phone, tablet, or desktop in the My Leviton app
- **Simple:** Features an all plug-on installation - no wiring to circuit breakers up to 60A for copper wire, and 50A for aluminum wire
- **Intuitive:** Line-side powered LEDs stay lit, even after a circuit breaker has tripped, and identify cause of trip. Color indicators in each rocker handle designate operational status at-a-glance (ON/OFF/Tripped)
- **Scheduling:** Select breakers can automatically turn ON or OFF based on a predefined schedule
- **Control:** Remotely turn circuit breakers ON or OFF
- **Monitor:** View real-time energy consumption in the My Leviton app: total aggregate, individual circuit, or trends by day, week, month, and year
- **Flexible:** Can be installed in any Leviton Load Center. Upgrading to a Smart Load Center is as easy as prioritizing which loads to enable with smart capabilities, pulling the old breakers out, snapping the new 2nd Gen Smart Circuit Breakers with Remote Control in their place, and enrolling them to the My Leviton app

Leviton Mfg. Co., Inc.

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PRODUCT SPECIFICATIONS

PRODUCT FEATURES

Dimensions:

Single Pole 3.9" H x 1.0" W x 3.1" D

Double Pole 3.9" H x 2.0" W x 3.1" D

Operating Temperature: -40°C to 70°C (-40°F to 158°F)

Warranty: 10-Year Limited, 2-Years for electronic components

Weight: Single Pole 0.42 lbs.

Double Pole 0.85 lbs.

Wiring: All Plug-on up to 60A for Cu wire, 50A for Al wire

Electrical Specifications

Amperage: Refer to catalog number tables

Short Circuit Current Rating: 10 KA, Series Rated 22KA with Leviton Main Breaker; see Series Ratings Tables for additional Ratings

Type: Available in Standard, AFCI, GFCI, AFCI/GFCI, GFPE

Standards & Certifications

CSA-C22.2 No. 5-02

EMC Compatible

FCC

RoHS

UL 489, HACR rated

UL 943 (GFCI), where applicable

UL1699 (AFCI), where applicable

ORDERING INFORMATION

2nd Gen Smart Standard



Amp Rating	1-Pole 120V	2-Pole 120/240V 120/208V
15	LB115-ST	LB215-ST
20	LB120-ST	LB220-ST
25	LB125-ST	LB225-ST
30	LB130-ST	LB230-ST
35	-	LB235-ST
40	-	LB240-ST
45	-	LB245-ST
50	-	LB250-ST
60	-	LB260-ST
70-125	-	LSBMA

2nd Gen Smart GFCI - 5 mA Ground-Fault Protection of Personnel



Amp Rating	1-Pole 120V	2-Pole 120/240V 120/208V
15	LB115-GST	LB215-GST
20	LB120-GST	LB220-GST
25	LB125-GST	LB225-GST
30	LB130-GST	LB230-GST
35	-	LB235-GST
40	-	LB240-GST
45	-	LB245-GST
50	-	LB250-GST
60	-	LB260-GST

2nd Gen Smart AFCI



Amp Rating	1-Pole 120V
15	LB115-AST
20	LB120-AST

2nd Gen Smart GFPE - 30 mA Ground-Fault Protection of Equipment



Amp Rating	1-Pole 120V	2-Pole 120/240V 120/208V
15	LB115-EST	LB215-EST
20	LB120-EST	LB220-EST
25	LB125-EST	LB225-EST
30	LB130-EST	LB230-EST
40	-	LB240-EST
50	-	LB250-EST
60	-	LB260-EST

2nd Gen Smart AFCI/GFCI Dual Function



Amp Rating	1-Pole 120V
15	LB115-DST
20	LB120-DST

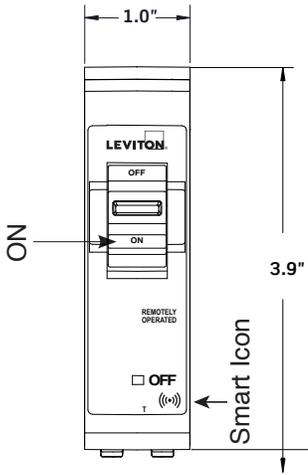
Catalog Number	Description
LWHEM-2	Leviton Whole Home Energy Monitor
LSMMA	Leviton Smart Mains Metering Accessory*



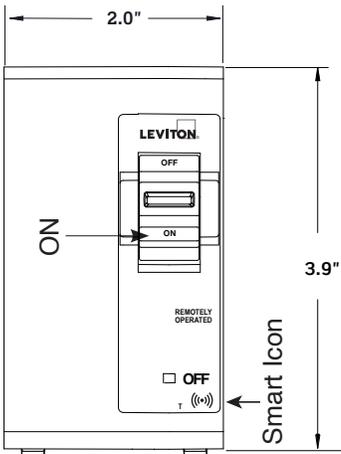
LWHEM-2 sends whole-home energy production data to the My Leviton app, including alternate energy sources like generator, battery, solar and wind.

*Leviton Smart Mains Metering Accessory - Hardware inputs (CTs) connect to LWHEM to display how much total energy the home is using, and from where the energy is being sourced

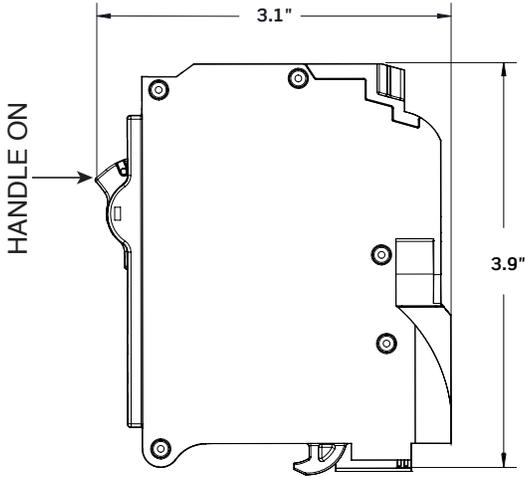
2ND GEN SMART CIRCUIT BREAKERS DIMENSIONAL DRAWINGS



Single Pole
Smart Breaker



2-Pole
Smart Breaker



HANDLE OPERATION AND LED DIAGNOSTICS

Handle Window	"AF" LED	"GF" LED	"ON/OFF" LED	Device Status
GREEN	OFF	OFF	OFF	ON
GREEN	OFF	OFF	ON (solid)	Remote OFF
RED	OFF	OFF	OFF	Overload or short-circuit trip
RED	ON (solid)	OFF	OFF	Series arc-fault trip
RED	OFF	ON (solid)	OFF	Ground-fault trip
RED	ON (blinking) OFF	OFF ON (blinking)	OFF	1 sec. delay - Parallel arc-fault trip 3 sec. delay - Neutral Miswired
RED	ON (blinking)	ON (blinking)	OFF	0.1 sec. delay -Electronics self-test failure (breaker will be locked out and must be replaced)
WHITE	OFF	OFF	OFF	Manual OFF



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/loadcenter

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