INSTALLATION INSTRUCTIONS

LEVITON®

Outdoor Meter Main, OH/UG Service Entrance Enclosure

PK-A3217-10-00-0A

Nos. LP8xx, LP8xx-MC, LP8xx-HMC, LP8xx-LMC, LP8xx-5MC, LP8xx-RMC

IMPORTANT SAFETY INSTRUCTIONS - READ ALL INSTRUCTIONS BEFORE USING.

⚠ WARNING

- **TO AVOID FIRE, SHOCK OR DEATH: TURN OFF POWER SUPPLYING THIS EQUIPMENT, AND CONFIRM POWER IS OFF,** before installing, removing or servicing this equipment.
- This equipment **MUST BE** installed and serviced by an electrician.
- Replace all doors and covers before connecting power to this equipment.
- To be installed and/or used in accordance with electrical codes and regulations.

LIMITED PRODUCT WARRANTY

For Leviton's limited product warranty, go to *www.leviton.com*. For a printed copy of the warranty you may call *1-800-323-8920*.

PATENTS PENDING

INSTALLATION

WARNING: TO AVOID FIRE, SHOCK OR DEATH: TURN OFF POWER SUPPLYING THIS EQUIPMENT, AND CONFIRM POWER IS OFF, before installing, removing or servicing this equipment.

Step 1: Remove meter and wiring compartment covers

a. Slide **securing latch (A)** upward.
b. Slide **meter cover (B)** down and out.
c. Slide **wiring compartment cover (C)** down and out *(fig. 1)*.

Step 2: Bottom feed applications *(Optional)*

NOTE: Install the closing plate (included) to the overhead opening of the enclosure for bottom feed applications.
NOTE: For bottom feed applications, wires and conductors should be run through the wire trough on the left side. For top feed applications, the wire trough can be removed if desired by removing the top securing screw, and sliding upward and out.
NOTE: Before removing any knockouts from the enclosure, consult the local electrical code to determine the knockout requirements.

a. Remove **deadfront (P)** by loosening the **securing screw (Q)** and lifting the **deadfront (P)** off the enclsoure.
b. To remove **knockouts (D)**, first strike the center of the knockout.
c. Pry each **ring (E)** up, one at a time, and grip both ends with a pair of pliers.
d. Use the pliers to bend the **rings (E)** until they disconnect from the enclosure *(fig. 2)*.

Step 3: Enclosure Mounting

Surface Mounting

a. Remove **mounting knockouts (F)** from the back of the enclosure *(fig. 3)*.
b. Use outdoor approved screws or nails (not provided) in the **mounting knockouts (F)** to secure the enclosure to the wall.

Fig. 1

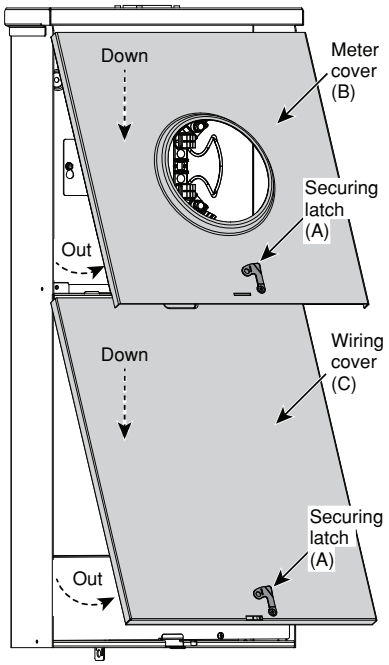
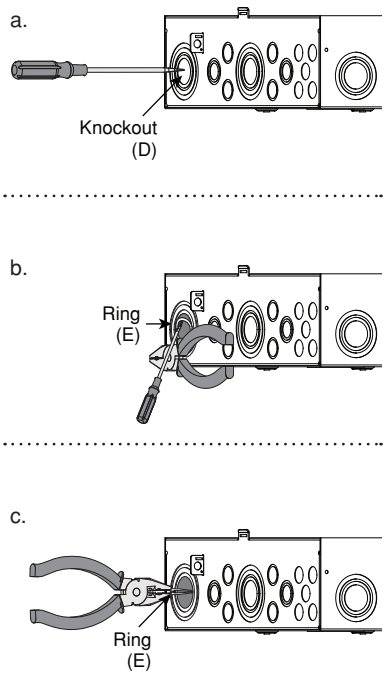


Fig. 2



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Step 4: Phase, Neutral and Ground Conductors

WARNING: Use **ONLY** approved fittings and clamps to avoid damage to wires.

- **a.** Bring the **phase**, **neutral** and **ground** conductors into the enclosure through the overhead conduit opening or a bottom feed knockout.
- **b.** Connect the **phase**, **neutral** and **ground** conductors to the appropriate terminals and torque to spec in the terminations table *(fig. 4)*.

Step 5: Branch Circuit Breakers

WARNING: Leviton® circuit breakers **MUST BE** used with a *Leviton* circuit breaker enclosure.

- **a.** Strip and connect the **load phase (J)** and **load neutral (K)** wires to the **load terminals (L)** and ground wire to the **ground bus (M)** of the circuit breaker enclosure *(fig. 5)*. Strip wires and torque load terminals to spec in the terminations table.
  NOTE: Ensure that the main breaker is in the OFF position before installing any branch circuit breakers.
  NOTE: Ensure that all branch circuit breakers are in the OFF position before installing into the panel.
- **b.** Align the **hooks and guides (N)** of the branch circuit breaker with the panel and press until breaker snaps into place *(fig. 6)*.

Step 6: Installing Deadfront

NOTE: Twist-outs (O) must be removed for each position that contains a branch circuit breaker. Fill any unused open spaces in cover using filler plates *(see filler plate instructions)*.

- **a.** To remove **twist-outs (O)**, first strike with a screwdriver, then twist with pliers until detached *(fig. 7)*.
- **b.** Install **deadfront (P)** by sliding it inward above the side wall protrusions on each side at a 45-degree angle until bottom portion of the **deadfront (P)** is seated into enclosure *(fig. 8)*.
- **c.** Secure the bottom of the **deadfront (P)** with the **securing screw (Q)**.
- **d.** Apply circuit directory labels on the back of the door.
- **e.** Replace the meter and wiring compartment covers *(See Step 1)*.

Step 7: Complete the Installation

WARNING: Before providing power to the load center, check all electrical connections and confirm that the wiring is correct.
WARNING: Replace all doors and covers before connecting power to this equipment.

- **a.** Ensure that the main and all branch circuit breakers are in the OFF position. To energize, first turn ON the main breaker, and then turn ON each individual branch circuit breaker.

SAVE THESE INSTRUCTIONS

TERMINATIONS

Termination Point	Wire Gauge	Strip Length	Torque
Meter Socket Phase & Neutral Terminals	#6 AWG - 350 MCM	1.1 in.	200 in-lbs.
Feed-Thru Phase Lug	#6 AWG - 300 MCM	1.0 in.	375 in-lbs.
Feed-Thru Neutral Lug	#14 AWG - #6 AWG #4 AWG - 2/0 AWG	1.0 in. 1.0 in.	30 in-lbs. 120 in-lbs.
Ground Terminal	#4 AWG - 2/0 AWG	0.75 in.	50 lb-ins.
Load Phase (brass)	#8 AWG - #4 AWG #14 AWG - #10 AWG	0.40 in. 0.40 in.	45 in-lbs. 35 in-lbs.
Load Neutral (silver)	#8 AWG - #4 AWG #14 AWG - #10 AWG	0.40 in. 0.40 in.	45 in-lbs. 35 in-lbs.
Ground Bus	#6 AWG - #4 AWG #8 AWG #14 AWG - #10 AWG	0.50 in. 0.50 in. 0.50 in.	35 in-lbs. 25 in-lbs. 20 in-lbs.

Fig. 3

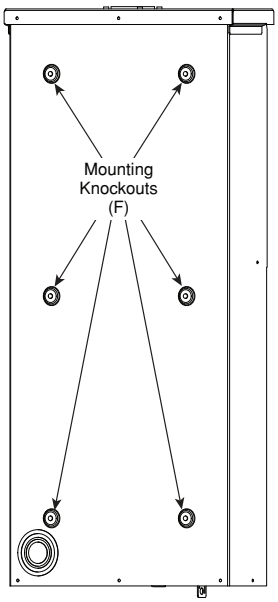


Fig. 4

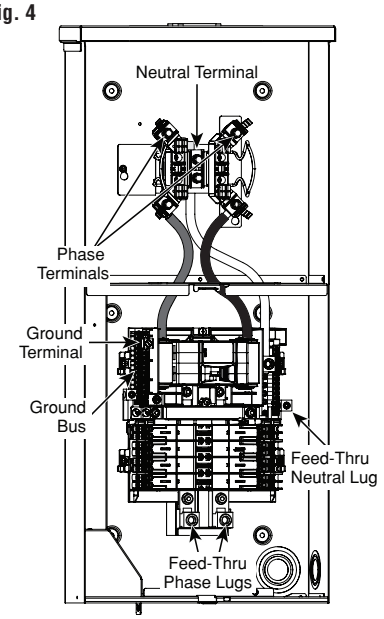


Fig. 5

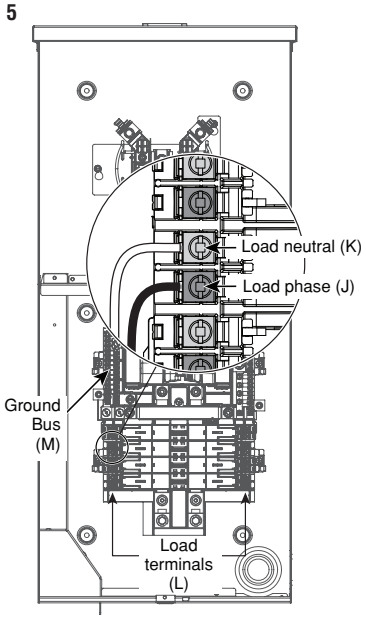


Fig. 6

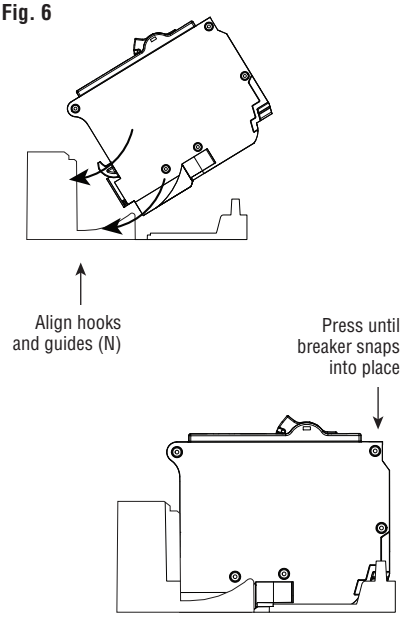


Fig. 7

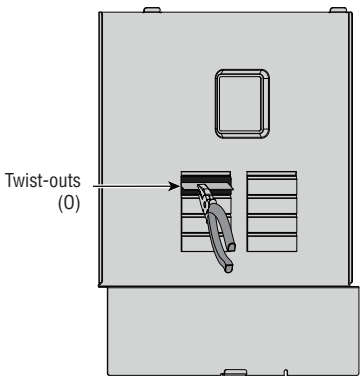
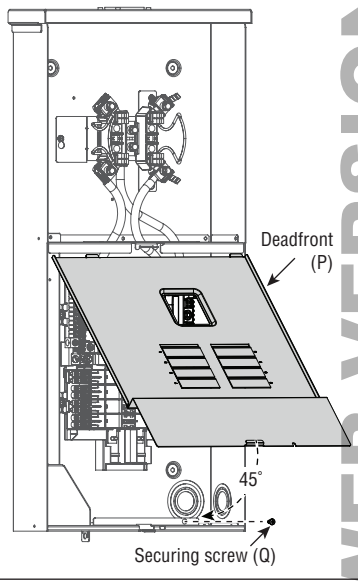


Fig. 8



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