INSTALLATION INSTRUCTIONS

Outdoor Meter Main, Ringless with Internal Trough, OH/UG Service Entrance Enclosure

IMPORTANT SAFETY INSTRUCTIONS - READ ALL INSTRUCTIONS BEFORE USING.

PK-A3317-10-00-0D

⚠ WARNINGS

- **TO AVOID FIRE, SHOCK, OR DEATH: TURN OFF POWER THAT IS 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.
- To be installed and/or used in accordance with electrical codes and regulations.
- Use **ONLY** approved fittings and clamps to avoid damage to wires.
- Leviton® circuit breakers **MUST BE** used with a Leviton circuit breaker enclosure.
- Before providing power to the load center, check all electrical connections and confirm that the wiring is correct.
- Replace all doors and covers before connecting power to this equipment.
- **SAVE THESE INSTRUCTIONS.**

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

Patents covering this product, if any, can be found on Leviton.com/patents.

INSTALLATION

WARNING: TO AVOID FIRE, SHOCK, OR DEATH, TURN OFF POWER THAT IS 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 *(Figure 1)*.

Step 2: *(Optional)* **Wire bottom feed.**

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 enclosure *(Figure 8)*.
b. To remove **knockouts (D)**, first strike the center of the knockout *(Figure 2)*.
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.

Step 3: Mount the enclosure.

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

Figure 1

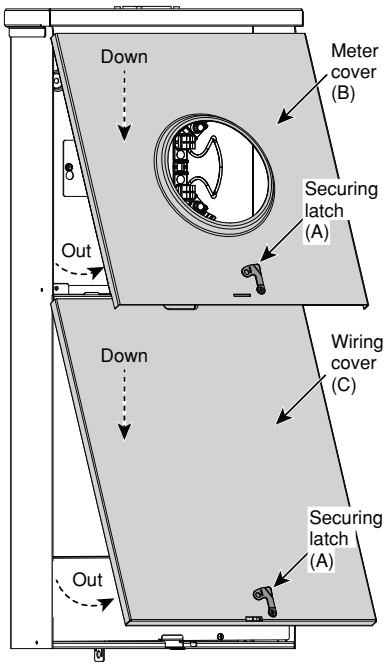
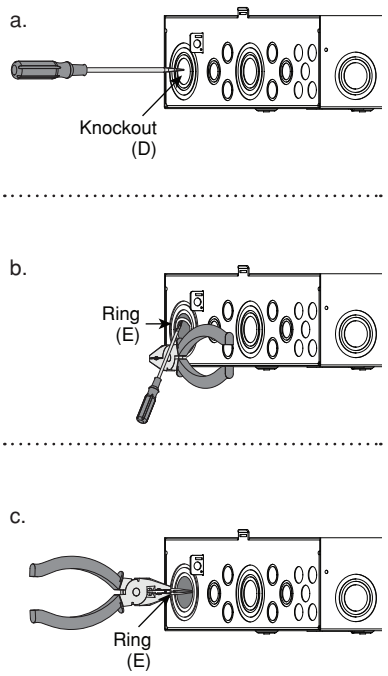


Figure 2



Step 4: Connect 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 specification *(Figure 4)*.

Step 5: Install branch circuit breakers.

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

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 *(Figure 5)*. Strip wires and torque load terminals to specifications in the Terminations Table.
b. Align **hooks and guides (N)** of the branch circuit breaker with panel and press until breaker snaps into place *(Figure 6)*.

Step 6: Install the deadfront.

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

- **a.** To remove **twist-outs (O)**, first strike with a screwdriver and then twist with pliers, until detached *(Figure 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 *(Figure 8)*.
- **c.** Secure 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 *(Refer to 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.

TERMINATIONS

Termination Point	Wire Material	Wire Gauge	Strip Length	Torque
Meter Socket	Copper / Aluminum	#3 AWG - 350 MCM	1.1 in.	200 in.-lbs.
Service Neutral	Copper / Aluminum	#3 AWG - 350 MCM	1.0 in	275 in.-lbs.
Feed-Thru Phase	Copper / Aluminum	#3 AWG - 300 MCM	1.0 in.	375 in.-lbs.
Feed-Thru Neutral	Copper / Aluminum	#3 AWG - 300 MCM	1.0 in.	275 in.-lbs.
Feed-Thru Ground	Copper / Aluminum	#4 AWG - 2/0 AWG	1.0 in.	120 in.-lbs.
Service Conduit Ground	Copper / Aluminum	#8 AWG - 2/0, Stranded	0.75 in.	50 in.-lbs.
	Copper	#14 AWG -#10 AWG, Solid or Stranded		50 in.-lbs.
	Aluminum	#12 AWG - #10 AWG, Solid		50 in.-lbs.
Load Phase (brass) & Load Neutral (silver)	Copper	"(1) #4 AWG - #8 AWG, Stranded	0.4 in.	45 in.-lbs.
		(1) #10 AWG, Solid or Stranded		35 in.-lbs.
		(2) #14 AWG - #10 AWG, Solid		35 in.-lbs.
		(1) #12 AWG - #14 AWG, Solid or Stranded		25 in.-lbs.
		(2) #14 AWG or (2) #12 AWG, Stranded		25 in.-lbs.
	Aluminum	(1) #4 AWG - #6 AWG, Stranded		45 in.-lbs.
		(1) #8 AWG, Stranded		35 in.-lbs.
		(2) #12 AWG - #10 AWG, Solid		35 in.-lbs.
		(1) #10 AWG - #12 AWG, Solid		25 in.-lbs.
		(2) #12 AWG or (2) #10 AWG, Solid		25 in.-lbs.
Neutral & Equipment Ground Bar	Copper/ Aluminum	(1) #6 AWG - #4 AWG, Stranded	0.5 in.	35 in.-lbs.
		(1) #8 AWG, Stranded		25 in.-lbs.
		(1) #14 AWG - #10 AWG Solid or Stranded		20 in.-lbs.
	Copper	(2) #14 AWG - #10 AWG, Solid or Stranded		25 in.-lbs.
		(1) #14 AWG and (1) #12 AWG, Solid		25 in.-lbs.
		(1) #14 AWG and (1) #10 AWG, Solid or Stranded		25 in.-lbs.
		(1) #12 AWG and (1) #10 AWG, Solid		25 in.-lbs.
	Aluminum	(2) #12 AWG - #10 AWG, Solid		20 in.-lbs.
		(1) #12 AWG and (1) #10 AWG, Solid		20 in.-lbs.
Neutral Bar	Copper/ Aluminum	#4 AWG - #1 AWG, Stranded	0.5 in.	50 in.-lbs.
		#8 AWG - #6 AWG, Stranded		30 in.-lbs.
	Copper	#14 AWG - #10 AWG, Solid or Stranded		30 in.-lbs.
	Aluminum	#12 AWG - #10 AWG, Solid		30 in.-lbs.

Figure 3

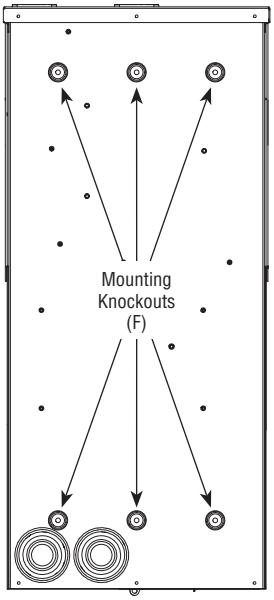


Figure 4

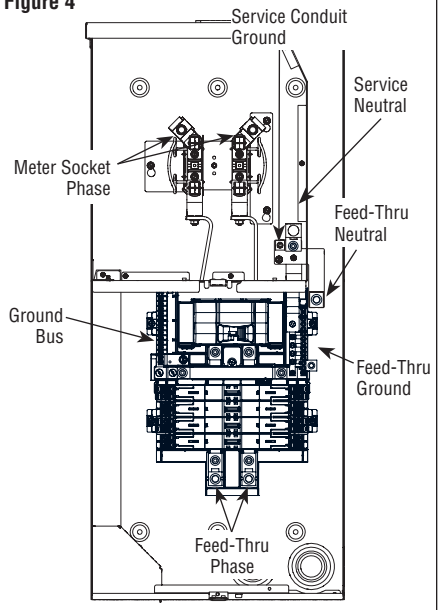


Figure 5

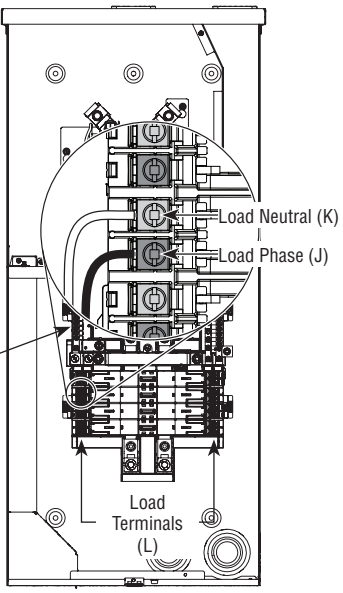


Figure 6

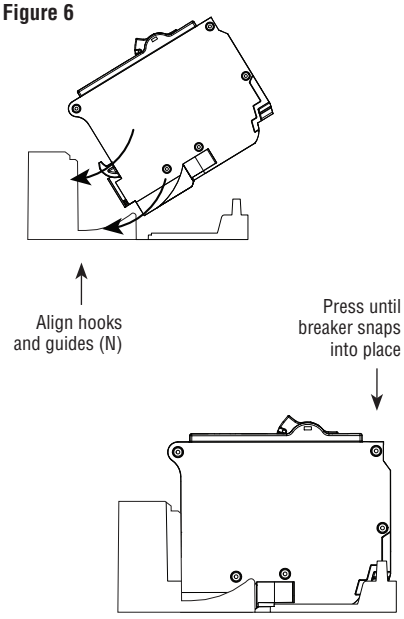


Figure 7

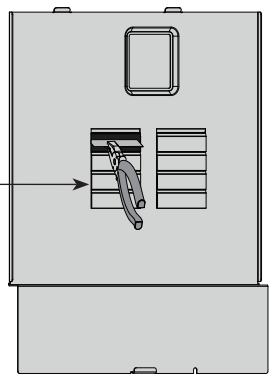
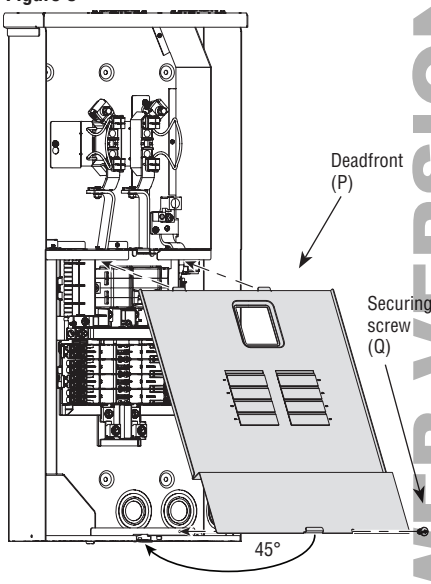


Figure 8



WEB VERSION