

PWB Series

Engineered PowerBox Enclosure



Table of Contents

1. Overview 3

2. Kit Contents..... 3

3. Tools Required..... 4

4. Wall Mount 5

5. Pole Mount 6

6. Safety Notes..... 8

7. Need Help? 8

1. Overview

All PWB Series models use the same polycarbonate enclosure, 254 mm × 203 mm × 152 mm (10 in × 8 in × 6 in), fitted with a metal back plate. The supplied mounting hardware supports two installation methods:

- Wall mount – four corner brackets fixed to the back plate, screwed to the wall.
- Pole mount – two slotted clamp rails fixed across the back plate, holding hose clamps that wrap around the pole.

Always mount the enclosure with the cable glands facing downward to maintain the ingress protection rating and allow drainage.

2. Kit Contents

⚠ Important: The mounting hardware kit **does NOT include hose clamps**. Customers must supply two stainless steel worm-gear hose clamps for pole mounting (see Section 5).

Item	Qty	Used for
Corner bracket (slotted)	4	Wall mount
Clamp rail with slots	2	Pole mount (holds the hose clamps)
Self-tapping screw	8	Fixing brackets/rails to the back plate
Stainless steel hose clamp	2	Not included – customer-supplied (pole mount only)



Figure 1 – Mounting hardware kit contents

3. Tools Required

- Phillips #2 screwdriver
- Drill and appropriate bits (wall mount, masonry or wood)
- Nut driver or flat-blade screwdriver for hose clamp worm screws (pole mount)
- Bubble level (spirit level)

4. Wall Mount

1. Fasten the four corner brackets to the enclosure backplate, one at each corner, using the supplied screws. Orient each bracket so its mounting hole faces outward.
2. Hold the enclosure against the wall at the mounting location, with the cable glands facing down. Use the bracket holes as a template and mark the four fixing points. Check with a bubble level.
3. Drill the holes and insert wall anchors as required for the wall material.
4. Drive suitable screws or lag bolts through the bracket holes and tighten. Do not overtighten – the enclosure is polycarbonate.



Figure 2 – Corner brackets fitted to the four corners of the back plate (rear view)



Figure 3 – Bracket mounting holes extend beyond the enclosure outline (PWB Wall Mount 1 & 2)

5. Pole Mount

1. Fasten the two slotted clamp rails horizontally across the top and bottom edges of the back plate, using two supplied screws per rail.
2. Thread one stainless steel hose clamp (customer-supplied) through the two slots of each rail, so the clamp forms a loop around the pole. Keep the worm-screw housing outside the rail for easy access.
3. Press the enclosure against the pole, wrap each clamp around the pole, and pass the band end through the buckle.
4. Tighten the two clamps alternately (top, then bottom) with a nut driver or flat-blade screwdriver until the enclosure is held firmly. Check that the enclosure is level and the cable glands face downward.



Figure 4 – Hose clamps threaded through the top and bottom rails (rear view)

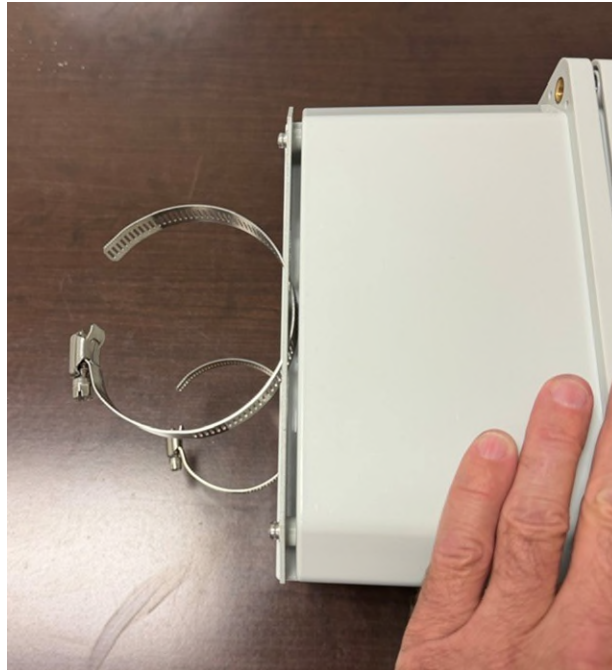


Figure 5 – Hose clamp positioned at the back plate, ready to wrap the pole



Figure 6 – Hose clamp diameter relative to the enclosure (top view, PWB Pole Mount 1-3)

6. Safety Notes

- Confirm the wall or pole can support the assembled enclosure, including the power supply and switch inside.
- Keep all cable glands tightened to maintain the IP rating.
- Disconnect power before installing or servicing the unit.

7. Need Help?

Please visit our website kbcnetworks.com or contact your nearest KBC office or dealer.