



371 Randy Rd., Carol Stream, IL 60188

Web: www.lewelectric.com

OB-1 SERIES INSTALATION INSTRUCTIONS

FOR CATALOG NUMBERS: OB-1-SH, OB-1SH-6PORT, OB-1-SP, OB-1-SP-6PORT

IMPORTANT: Read all instructions before installing the OB-1 series boxes

It is highly recommended that in addition to reading the below installation instructions that the installation video is watched by visiting <https://youtu.be/FujXPDQ2wk8> before installation of the OB-1 series.

PRIOR TO INSTALLATION

- Contact a local electrical inspector to make sure that this product meets or exceeds all local electrical codes (electric codes may vary by location).
- Disconnect and turn off all power sources.
- For outdoor or indoor use.
- This product is designed for concrete installations only (do not attempt to install without concrete!)
- Only licensed, insured, and bonded electrical contractors should install the OB-1 series.
- **THIS PRODUCT MUST BE WIRED TO A DEDICATED GFI CIRCUIT BREAKER**
- Failure to comply with each of the above conditions may cause injury or death.
- Lew Electric accepts no responsibility if the above conditions are not followed.
- **NOT FOR USE ON ANY TYPE OF ROOF.**

1. The OB-1 series boxes are designed for indoor or outdoor use. It is designed for concrete, brick paver, tile and similar types of flooring with a depth of 4" or greater. **The OB-1 series must be installed in concrete. This means that even if the installation is going into brick paver layout the box must be encapsulated in concrete.**

2. Carefully choose the desired location of the outdoor box. Please note that the outdoor box has an IP66 rating only when it is in the closed position. The OB-1 series is not designed to be submersed under water.

3. The Ob-1 series includes a mandatory extension ring that measures 3 1/16". **At least 1" of the mandatory extension ring must be left after the cut.** Put the PVC glue (not included) on the slotted perimeter of the extension ring and place on the outer box. After the glue has set, apply an additional application of outdoor approved silicone around the perimeter of the seam where the extension ring and the outer box are joined.

4. Affix the concrete cap on the extension ring using duct tape (not included). Place the "outer box", extension ring and concrete cover cap in the desired installation location. The total height is 6 1/8" with the extension ring. If pour is greater than this height, affix the unit to wood blocks/ boards to achieve the desired height. The overall height of the box and the extension ring must be greater than the height of the finished floor and the minimum depth of the concrete pour must be 4 inches.

5. Affix conduit where necessary by removing the punch out opening(s) with a screwdriver. Fasten the conduit with a water-tight lock nut and gasket (not included). Run approved, stranded 3 wire electrical cable through the conduit and into the box, leaving enough wire in the box to easily make connections. **All of the unused punch out holes must be sealed in two steps. First, seal off all unused punch out openings with outdoor approved silicone. Let the silicone dry. Second, cover each of the unused conduit openings completely with duct tape. Please refer to video and confirm this step was completed correctly.**
6. Use the adjusting screws and a level to make sure the top of the box is level and then pour the concrete. **Please Note: A minimum of four inches of concrete must be poured. Failure to do so will void the IP66 rating and can cause injury or death.**
7. After the concrete is poured and set, remove the duct tape and the concrete cover cap and dispose.
8. Cut off the excess portion of the extension ring that is sticking above the level of the finished pour.
9. Please see the video f <https://youtu.be/FujXPdQ2wk8> for proper wiring instructions.
10. Once the wiring is completed, attach the "Inner Box" to the outer box using the four 2 ½" screws (provided). Open and close the lid several times to be sure that it does not stick and that it seals properly when in the closed position. **Please Note: When the lid is closed, it must always be in the "Safety" Position.**
11. Turn the power on. Test the weather resistant tamper proof GFI weekly to assure that the device is working properly. For further info, please call 630-665-2075 X1 for customer service.

TROUBLESHOOTING FOR WATER EGRESSING INTO INNER BOX

(installer please leave these instructions with end user)

1. OB-1 series covers must be in the closed position completely to be IP66 rated water tight. Failure to do so will allow water to enter into the inner box.
2. Cover must be wiped down thoroughly before opening if there is any moisture on the cover. Use an absorbent cloth to wipe down excess water, especially between the channel of the flip lid cover.
3. Check the amount of wiring left over in the inner box. Too much may cause the lid to press upwards against the cover, not allowing for the seal to keep water out. Check by shutting off the power to the unit before handling to avoid electrocution by removing the screws from the cover that are attached to the box. Remove the inner box and retract any excess wiring by pulling back from the wires that are exposed in the bottom box. Return the cover and mount with the screws.
4. LEW Electric's OB-1 series boxes have a one year limited warranty from date of purchase. We will exchange any box found to be defective because of manufacturing issues, not installation issues or improper care of these units.

