

IN-BOX-155 LCR In-Wall Enclosure

For use with Atlantic Technology IWTS-155 LCR only

Atlantic TECHNOLOGY

Installation Instructions

Please Read All Instructions Thoroughly Before Attempting Installation of the IN-BOX-155 Enclosure

Quick Reference

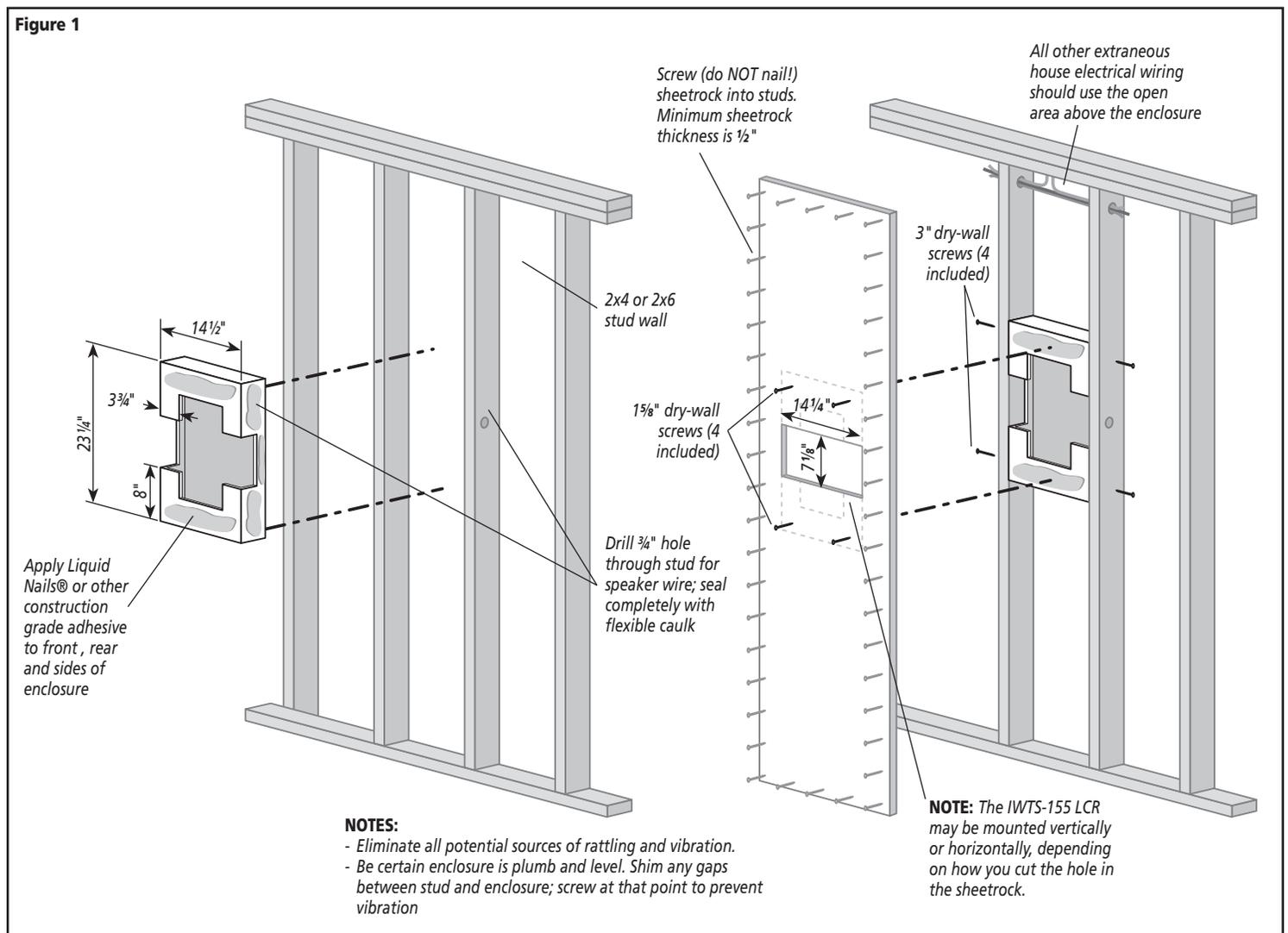
- 1 The In-wall Enclosure is designed for new construction and must be installed before the sheetrock is applied to the front of the wall studs.
- 2 Use liberal amounts of construction adhesive and screw the sheet rock to the studs every 6" or so (see illustration). Remember: Glue and Screw!

Preparation

Be sure to follow all applicable local building codes and regulations!

In the parts bag there are (4) 3" long, sheetrock screws for screwing the BOX to the studs and there are (4) 1 5/8" sheetrock screws for screwing the BOX to the sheetrock.

Figure 1



Installation

- 1 Temporarily place the enclosure within the stud cavity. Keep the front edge of the enclosure flush with the front edge of the studs. Mark places to drill mounting screw holes in the studs, alongside the enclosure, into the solid portion of the IN-BOX-155 as shown in Figure 1. Don't locate any holes within 1 inch of the front or rear face of the enclosure. Remove the enclosure and drill the holes in the studs, at the marked locations.
- 2 Replace the enclosure within the stud cavity, once again being careful to keep the front edge of the enclosure even with the front edge of the studs. Be absolutely certain that it is plumb and level because if it's not the speaker will sit crooked in the wall, and this cannot be adjusted later. If there are any gaps between the studs and the enclosure sides shim them and put a screw through at that point to ensure that the studs won't vibrate against the box.

As shown in Figure 1, apply construction-grade adhesive to the front, rear, and sides of enclosure when you install it.
- 3 Push the supplied 3" screws through the predrilled holes and screw them into the enclosure sides. Use care not to overtighten and strip any of the screws.
- 4 Drill a 3/4" hole through the stud for the speaker wires. After installing the speaker wire, caulk this hole generously with silicone construction caulk to seal it.
- 5 Be sure that you have eliminated all potential sources of rattling before the sheetrock is applied.
- 6 When the sheetrock is applied it should be glued to the front and back of the enclosure as outlined above. Use the four supplied 1 5/8" sheetrock screws to secure the sheetrock to the front of the enclosure as shown in Figure 1.

Only after the sheetrock is installed you may install the 155 LCR according to the directions included with the speaker.

Enclosure Dimensions

23 1/4 inches tall x 14 1/2 inches wide x 3 1/2 inches deep.

Important - Additional Notes

- 1 This enclosure provides the correct volume to optimize the performance of the IWTS-155 LCR. The IWTS-155 LCR must be used with the IN-BOX-155 enclosure to maintain THX certification. The enclosure also provides moderate isolation of sound for the room adjacent to the speaker.
- 2 The correct amount of acoustically absorbent material (polyester fiber batting) is pre-installed in the enclosure and should be left as is within the enclosure. Please do not compact the material or add more damping material.
- 3 The enclosure is designed to fit in walls framed using 2" X 4" studs mounted on 16" centers, with sheetrock of at least 1/2" thickness. With some modification to the stud framing, it can also be installed between studs mounted on 24" centers. In all cases the front face of the enclosure must be kept flush with the front face of the studs. For studs mounted on 24" centers it is not recommended to install the enclosure to a stud on one side only. Instead, frame out from one or both studs to locate the enclosure solidly on both sides, wherever you desire within the stud cavity, and then attach as detailed below. Be sure to tell the electrician to run any AC lines well away from the enclosure and not to drill through it. It's also imperative to make sure any wires running within the wall are secured in such a way to ensure that they will not buzz or vibrate against any part of the wall. This should be checked in every stud bay in the wall, not just those adjacent to the 155 LCR's enclosure.
- 4 The 155 LCR speakers can generate substantial vibrational energy and some of it will transfer into the wall. This vibration may eventually loosen the sheetrock and create "nail pops". To minimize such occurrences we strongly recommend that the sheetrock be screwed and glued to the studs (on both the front and back sides of the enclosure and extending out beyond the actual enclosure bay at least to the next stud bay on either side of the enclosure) and the enclosure face surfaces, using a powerful construction adhesive like Liquid Nails®. Please follow all directions when using such adhesives, particularly concerning application and ventilation.

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