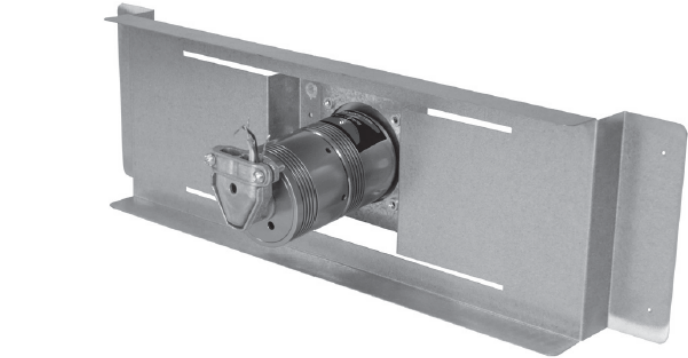




INSTALLATION **MANUAL**

SolidDrive Transducer-70V



SolidDrive In-Wall and
In-Ceiling Mounting Bracket Specifications

Type	Patented balanced cantilever spring bracket
Construction	Heavy duty, galvanized steel
Dimensions	16OC – 2.0" H x 25.5" W x 5.0" D 2
Weight	1.0lb / .45 kg

WARNING

Read instructions prior to operating. To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. Unplug prior to cleaning and clean with a damp cloth. There are no user-serviceable parts in this product, please refer all servicing to qualified personnel.

INSTALLATION OF SOLIDDRIVE INTO WALLS AND CEILINGS

By utilizing these basic installation steps, you can install the SolidDrive into walls and ceilings for a variety of sound masking applications.

Important: For ceiling applications, assure the sheetrock remains clear of any debrid that may rattle when the SolidDrive is active.

GETTING STARTED WITH SOLIDDRIVE

What’s included with the SolidDrive for installation into walls and ceilings and what is supplied by the installer —

A SolidDrive MSK-1-T consists of: One (1) SolidDrive MSK-1-T unit with included 10W transformer, supplied with 4 hard wire leads and one duplex conduit connector. *Additional mounting materials may be needed to be supplied by the installer depending on the application.

For drywall: For in-wall and in-ceiling installation, you will have ordered one (1) or more SolidDrive and one (1) or more patented acoustic in-wall mounting brackets (one (1) bracket per speaker), which comes with four (4) #8-32 x 5/16" Phillips flat head machine screws for mounting the drive to the bracket. *Installation also requires four (4) 1 3/8" drywall screws and one (1) container of 3M® Super 77 Spray Adhesive (supplied by the installer).

EXISTING DRYWALL INSTALLATION NOTE:

For retrofitting the SolidDrive into existing drywall installations, it will be necessary to remove a portion of the existing drywall before installation and to replace the drywall after the SolidDrive is installed. Please refer to the instructions marked with **EXISTING DRYWALL** for the steps necessary for the type of installation. If installing the SolidDrive in new construction, IGNORE the **EXISTING DRYWALL** steps.

STEP 1
INSTALLATION INTO EXISTING DRYWALL

For installing the SolidDrive mounting bracket into existing drywall, first cut a rectangular opening in the drywall. The minimum recommended opening size is approximately fifteen inches tall and beyond the width of the adjacent wall studs. This will help in attaching the mounting bracket, feathering the drywall back in, and getting the drywall to meet at the seams (Figure 1). This will allow proper distribution of sound and the SolidDrive will function with optimum performance.

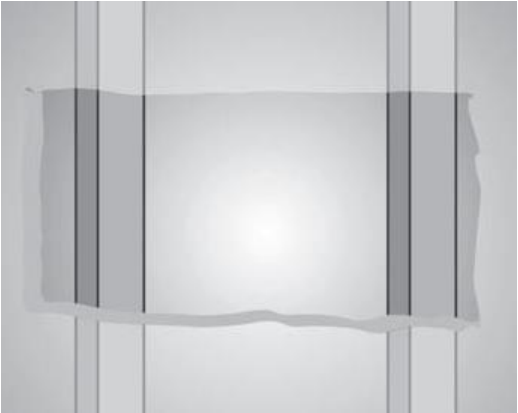


Figure 1
Cut an
opening large
enough to
install the
mounting
bracket to the
wall studs

STEP 2

Attach the SolidDrive mounting bracket to wall studs or ceiling joists

Place the mounting bracket between the wall studs or ceiling joists and secure with four 1 3/8" drywall screws. Insert the screws through the four pre-drilled holes in each lange and screwthem into the face of each wall stud or ceiling joist (Figure 2). The drywall screws need to be driven flush with the surface of the flange so that the drywall sets lush on the bracket flange.

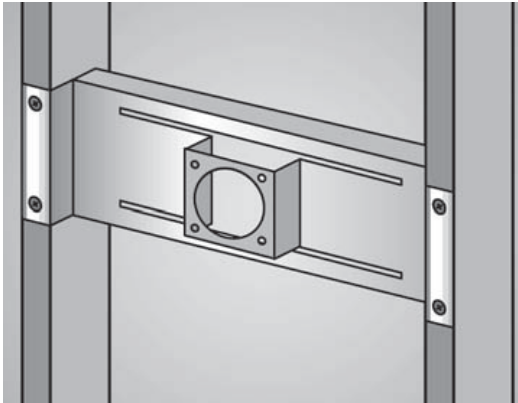


Figure 2
SolidDrive
mounting
bracket
attached to
the wall studs

STEP 3

Insert the SolidDrive into the bracket

Feed the SolidDrive cable through the round opening in the face of the mounting bracket. Insert the SolidDrive through the same opening with the oversized mounting base facing outward toward the side that the drywall will be installed and lush against the bracket face. Align the pre-drilled holes in the mounting base to the threaded holes in the bracket face (Figure 3). Attach the SolidDrive securely to the mounting bracket using the 4 Phillips fat head machine screws.

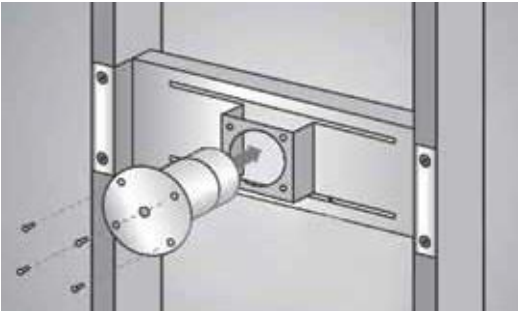


Figure 3
SolidDrive
being
installed into
the mounting
bracket

STEP 4

Make the electrical connections

Make the electrical connection between the SolidDrive MSK-1-T and the speaker cable using the desired transformer setting. *NOTE: When installed in Canada, this product must be installed in accordance with the Canadian Electrical Code, C22.1, Part1.*

Note: Most installations will use the 10W tap.

Connecting Multiple SolidDrives

Connect the amplifier (70V "-" or "COM") terminal to all Black (COM) wires for all SolidDrives in the system. Connect the amplifier (70V "+") terminal to the colored wire that corresponds to the desired power tap for each SolidDrive in the system (Red for 10W). Trim off the exposed bare wire on all unused wires and ensure that they cannot short to each other. Failure to do so may result in misoperation and place an unexpected load on the amplifier.

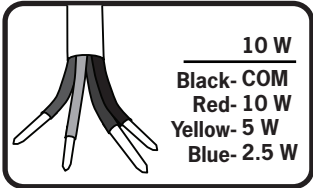


Figure 4 Transformer connections

STEP 5

Apply adhesive to the drywall surface and base of the SolidDrive

If possible, position the drywall panel so that the SolidDrive is at the center of the panel or as far from the edge of the panel as possible. This will allow proper distribution of sound and the SolidDrive will function with optimum performance. Prior to mounting, take measurements of the new drywall panel to determine the exact area that will come in contact with the base of the SolidDrive and spray that area liberally with the 3M® Super 77 contact spray adhesive. Also, liberally spray the surface of the oversized mounting base of the SolidDrive (masking around the base is highly recommended to prevent overspray).

STEP 6

EXISTING DRYWALL

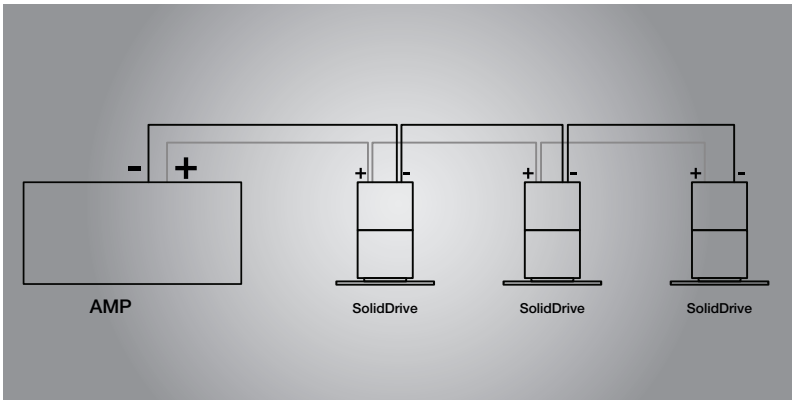
Re-install rectangular cutout in wall

For re-installing the rectangle drywall panel that was cut out to install the SolidDrive, it is important to create a uniform seal between the cut drywall and the existing drywall. This will allow proper distribution of sound and the SolidDrive will function with optimum performance. Apply fast setting joint compound, not vinyl based, in the space between the cutout section and the existing drywall panel. Make sure to fill the space completely with drywall compound then proceed with the normal taping, sanding and finishing routine.

STEP 7

Install the new drywall

Immediately install the new drywall before the spray adhesive sets up (approximately 10 minutes). This allows adjustment of the panel before the final location is determined. The drywall panel is to be fitted to the wall studs or ceiling joists and screwed into position. Apply joint compound in the space between the drywall panels and proceed with the normal taping, sanding and finishing routine. The joint compound filled between the panels will improve the distribution of sound as well as overall sound quality.



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