

Installation Guide for Slide-In Mounted Honeycomb HVAC Waveguide Panel (3029 series)

Slide-In panels are designed to fit and slide into existing ductwork without the need to mount to a flanged surface. They are secured to the ductwork using an integrated 3.0-inch-wide galvanized steel frame/collar.

Typical Slide-In Installation

1. Utilize mounting screws drilled through the outside of the airduct and into the panel frame/collar once panel is in position. Screws can also be secured from the interior of the duct through the panel frame/collar and out into the ductwork if required. A 4.0 inch maximum screw spacing is recommended to secure panels in place while reducing gaps for EMI/RFI leakage.
2. After securing the panel then weld or solder continuously around the perimeter of the panel frame/collar directly to the duct, ensure no gapping is visible in weld or soldered seams.

Alternate Slide-In Installation

1. Utilize mounting screw and conductive foil tape if welding or soldering is not available.
2. Maintain the recommended 4.0 inch maximum screw spacing to secure the panel in place.
3. Once secured, place conductive foil tape over the screw heads and also over the panel to duct interface, ensuring good electrical contact with the foil tape on both the panel frame/collar and the air duct.
4. A strong non-conductive sealant may be placed over and extended past edges of conductive foil tape to help hold it in place if the airduct is subject to very high vibration or temperature extremes.

