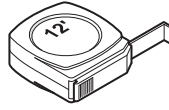
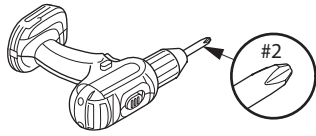


## Global IFS Underfloor Air System Installation Instruction



### Linear Bar Terminal (LBT)

# PRODUCT OVERVIEW

The Linear Bar Terminal (LBT) is designed to deliver plenum air through a Linear Bar Grille (LBG) for cooling. Additionally, an inlet connection option can be added for supplying fan-forced heating air from an Underfloor Fan Powered Box (FPB). The integral terminal damper allows for modulating of cooling air supply and changeover between heating and cooling.

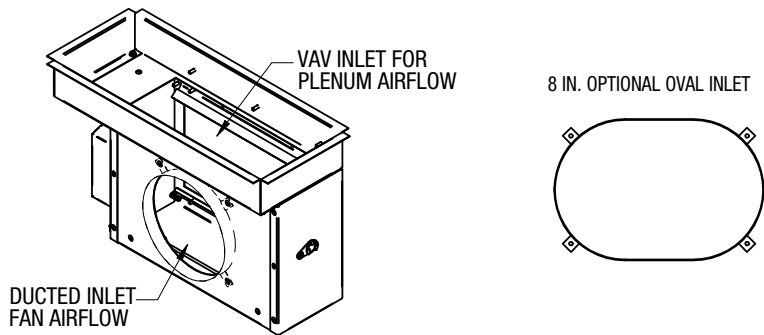
The integral terminal damper is controlled using a 90 second floating-point actuator and is designed to be used with a Power and Control Module (PCM) controller via plug-and-play RJ-12 connection.

To adjust the actuator set screw and damper follow these steps.

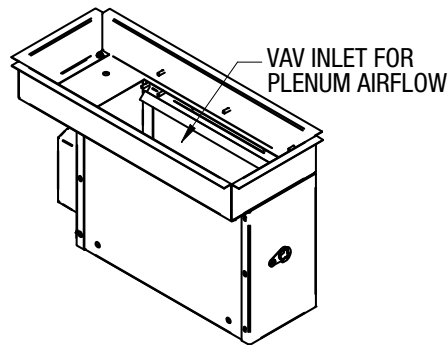
1. Move damper to open.
2. Loosen minimum airflow set screw. Press clutch and turn set screw to min. open position.
3. Tighten set screw onto damper shaft.

**CAUTION:** Adjust set screw damper to minimum airflow for balancing.

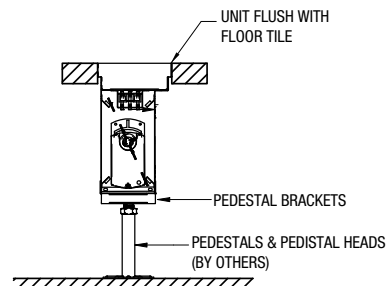
## LBT-HC: FLOOR TILE SUPPORTED ASSEMBLY



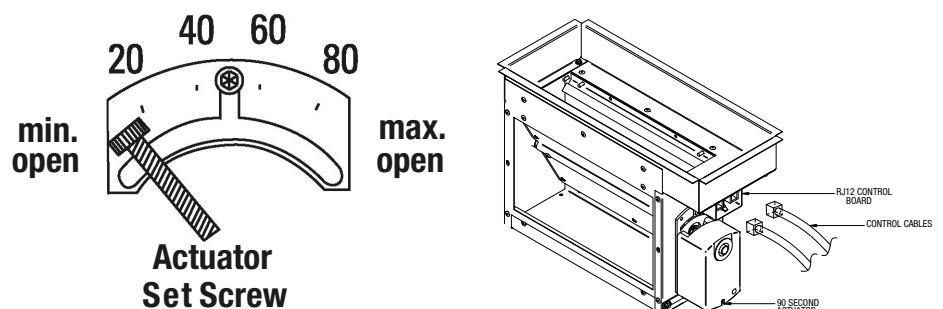
## LBT-VC: FLOOR TILE SUPPORTED ASSEMBLY



## LBT-HC: PEDESTAL SUPPORTED ASSEMBLY



## ACTUATOR



# INSTALLATION & MOUNTING INSTRUCTIONS

## Floor Tile Supported Installation

**STEP 1:** The floor opening should be the same size as the nominal size used to order the floor plenum.

**STEP 2:** Connect flexible ductwork to inlet on floor plenum (HC only).

**STEP 3:** Connect control cables to the control board on the plenum. These can be daisy chained with up to six in a chain. Control board ports are not directional, so cables can be connected without considering in/out direction along daisy chain.

**STEP 4:** Set floor plenum into floor opening so that the support flange rests above the tile.

**OPTIONAL:** For continuous applications, remove endcap and follow instructions in the UFB manual for blank-off installation.

**STEP 5:** Place floor grille into plenum.

**NOTE:** If the plenum is cooling only, the plenum opening should face the room side. If the heat/cool model is used, the heating inlet will be facing the room. In this configuration, the cooling inlet should have a minimum of 4 in. of clearance from any obstructions (i.e. the perimeter wall).

## Pedestal Supported Installation

**STEP 1:** The floor opening should be the same size as the nominal size used to order the floor plenum.

**STEP 2:** Connect flexible ductwork to inlet on floor plenum (HC only).

**STEP 3:** Connect control cables to the control board on the plenum. These can be daisy chained with up to six in a chain. Control board ports are not directional, so the in and out connections can be made in any orientation.

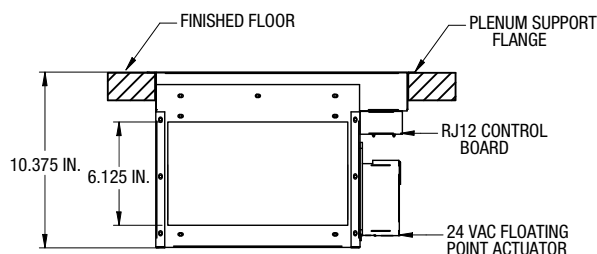
**STEP 4:** Slide pedestal heads through slot in pedestal brackets to attach to floor pedestals. Adjust pedestal height to achieve an even finish with the floor.

**OPTIONAL:** For continuous applications, remove endcap and follow instructions in the UFB manual for blank-off installation.

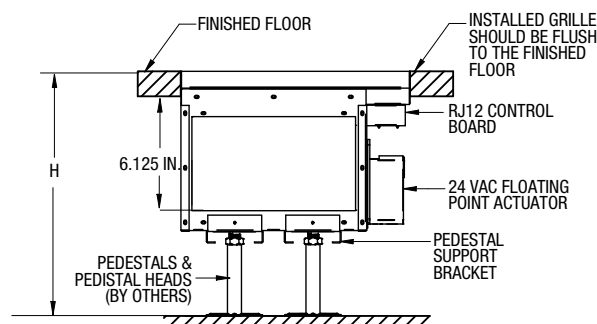
**STEP 5:** Place floor grille into plenum.

**NOTE:** If the plenum is cooling only, the plenum opening should face the room side. If the heat/cool model is used, the heating inlet will be facing the room. In this configuration, the cooling inlet should have a minimum of 4 in. of clearance from any obstructions (i.e. the perimeter wall).

**FIGURE 1: FLOOR TILE SUPPORTED ASSEMBLY ▼**

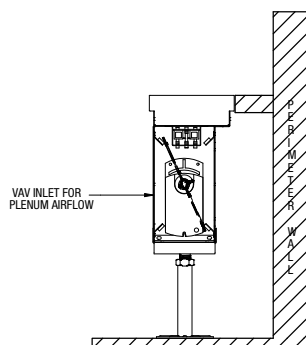


**FIGURE 2: PEDESTAL SUPPORTED ASSEMBLY ▼**



Assembly Height with LBG Installed	
Core Style	H (In.)
Pressed Core	10.55
Mandrel Core	10.375

**LBT-VC ▼**



**LBT-HC ▼**

