

Mounting Instructions

Setting Of Angle Of Rotations And Limits

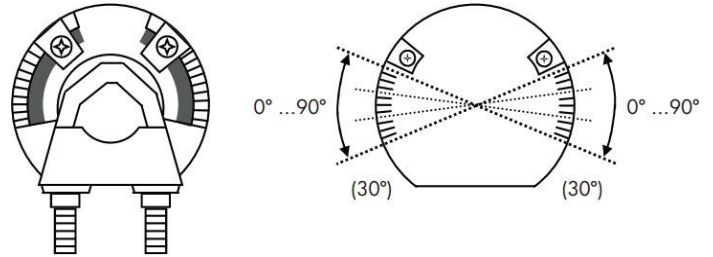
NSVA controllers are manufactured for a damper or VAV Terminal box that rotates from 0 to 90 degrees, open to close position. If the VAV box open and close position is not a 90-degree, then set the rotation limits to its suitable degree before mounting the controllers.

Mechanical Limiting Angle Of Rotation

Adjustment of mechanical limiter

1. Loosen screw of mechanical limiter
2. Move limiter to appropriate position *
3. Tighten screw

* Working range of 90° can be reduced up to 30° from each end position



Mounting On A Vav Terminal Box

Mounting the controller inside the metal enclosure. To maintain the specifications of the wiring, its recommended to use either shield cables or enclose all cables in the conduit.

Mount the controller directly over the shaft with a min. length of 45mm. The shaft dimensions must be 06 to 15 mm if round in shape and 5 to 10.5mm if square in shape.

Mount the controller as follows:

1. Manually rotate the damper on the VAV box to fully open position.
2. On the NSVA controller, press the manual override button and rotate the bolt in the same direction that opened the VAV box. Turn the angle of rotation to its limit.
3. Loosen the nuts and the U-bolt until the shaft can fit through the collar.
4. Place the NSVA controller over the shaft.
5. Tighten the nuts on the U-bolt.
6. Center the mounting point with our damper holder provided in the box and screw the holder with the screw provided.
7. Evenly tighten the U-bolt.

