

# INSTALLATION & OPERATION MANUAL



## TAO

TEMPERATURE AMBIENT OPTIMIZER



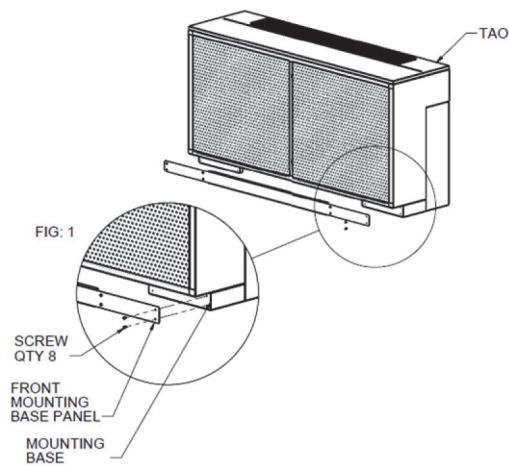
## Receiving Inspection

After unpacking the unit, check it for shipping damage. If any shipping damage is found, report it immediately to the delivering carrier. Store units in a clean, dry location prior to installation.

## TAO Installation

### STEP 1:

Remove the front mounting base panel by unscrewing it from the mounting base as shown in Figure 1.



### STEP 2:

Uninstall the front cover by taking off the décor strip with the help of flat head screw driver and unscrewing six screws as shown in Figure 2.

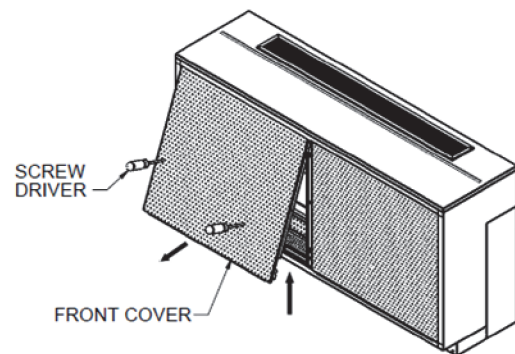
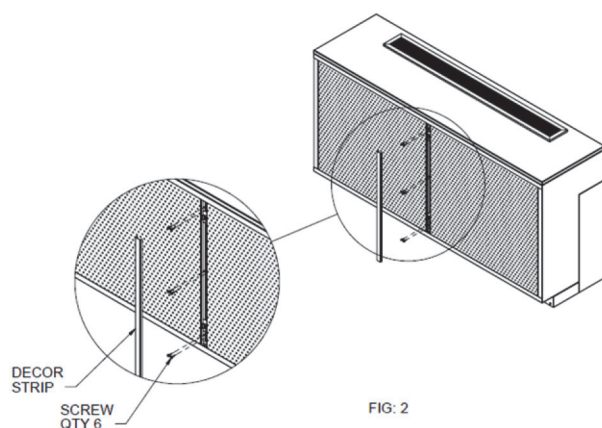


FIG: 3

## TAO Installation

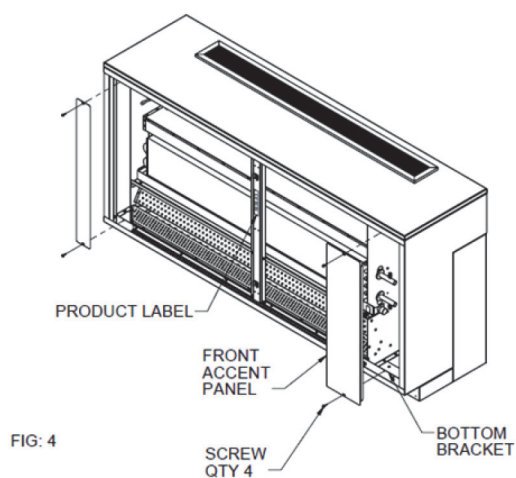
### STEP 3:

Remove the front cover with the help of two screw drivers by lifting up and pulling out as shown in Figure 3 to have access to the inside of the unit.



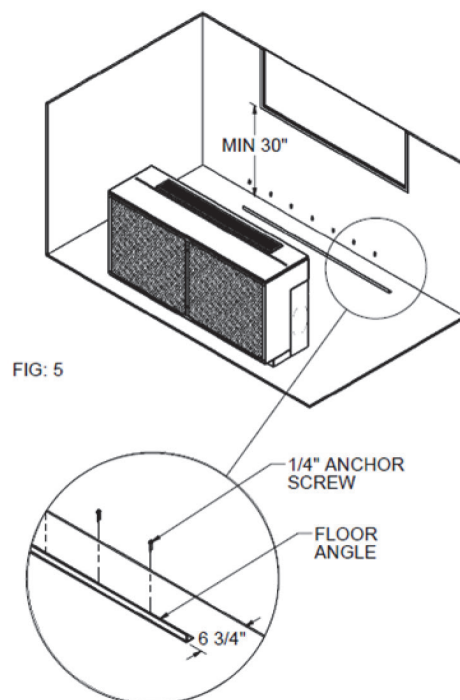
### STEP 4:

Unscrew the front accent panels. See Figure 4.



### STEP 5:

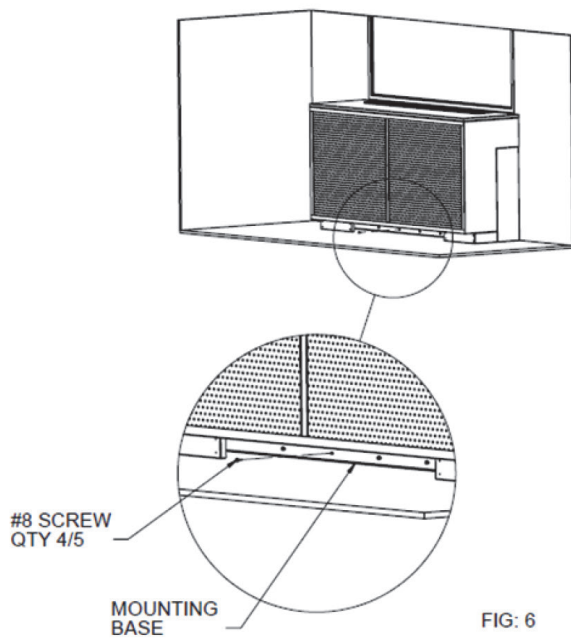
Mount the floor angle to the floor 6 3/4" away from the wall with the help of anchor screws (not included). See Figure 5.



## TAO Installation (continued)

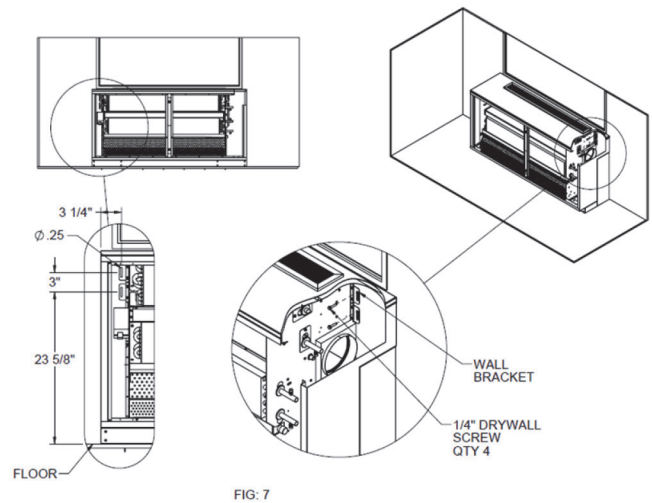
### STEP 6:

Slide the unit against the wall. Use the slots of the mounting base to drill hole into the floor angle. Screw the unit mounting base to the floor angle to secure the bottom end of the unit as shown in Figure 6.



### STEP 7:

To secure the top of the unit to the wall place fasteners (not included) into the drywall as per the dimensions provided in Figure 7. Screw the unit to the wall with drywall screw (not included) in four places as shown in Figure 7.



## TAO Installation (continued)

### STEP 8:

To remove side accent panel for duct connections unscrew the panel in five places from the outer side panel as shown in Figure 8.

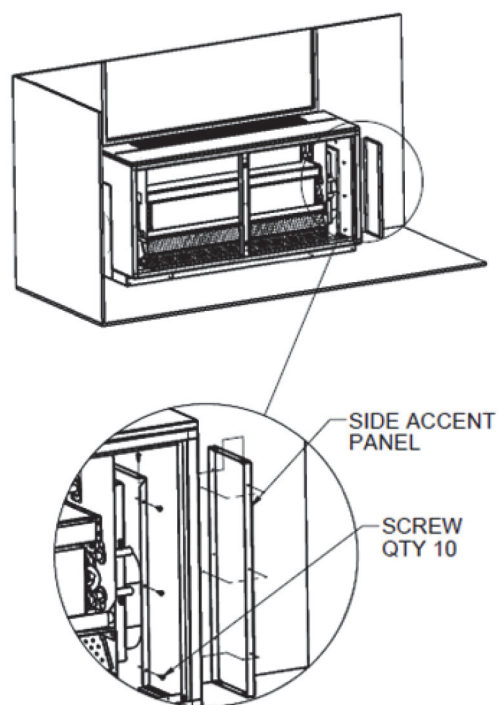


FIG: 8

### STEP 9:

To access the duct work and piping connections remove outer side panels by unscrewing three screws each from Top and Bottom plate as shown in Figure 9. Also unscrew two screws from Top and Bottom brackets from front as shown in Figure 9.

To remove the drain pan for cleaning purpose unscrew the center support in six places as shown in Figure 9 and slide the drain pan out.

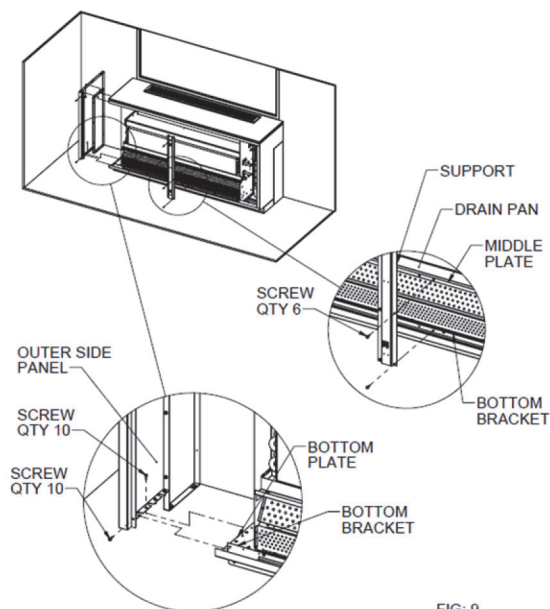


FIG: 9

## TAO Installation (continued)

### STEP 10:

To connect oval trunk of two units in series use oval coupling (option) as shown in Figure 10 and seal it with duct sealant to avoid leakage.

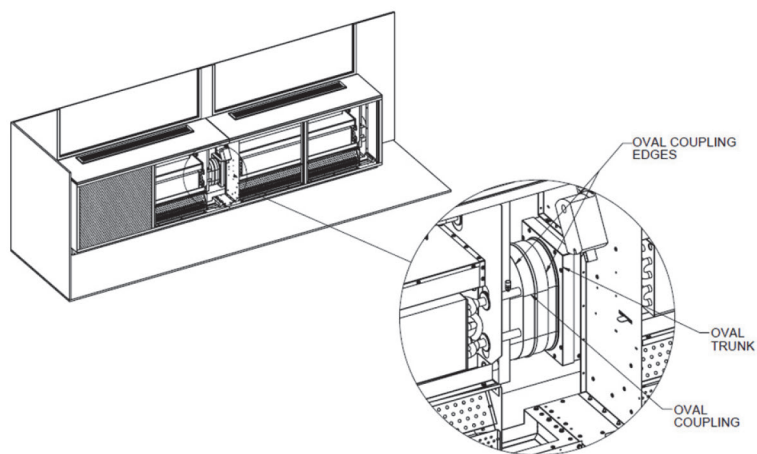


FIG. 10

## Primary Airflow Commissioning

For commissioning remove the left front cover as shown in Figure 2 and Figure 3. Take off the pipe cap and use the commissioning tube to obtain the internal pressure of the plenum as shown in Fig 11. The K-factor of the unit is stated on K-factor label mounted on left inner side panel on top of the commissioning tube mount. The K-factor can also be found on our website in the relevant K-factor guide.

| UNIT SIZE/CONFIGURATION     | K – FACTOR |
|-----------------------------|------------|
| 5 FOOT WITH Ø6" ROUND INLET | 194.9      |
| 5 FOOT WITH 8" OVAL INLET   | 203.4      |
| 6 FOOT WITH Ø6" ROUND INLET | 247.6      |
| 6 FOOT WITH 8" OVAL INLET   | 258.0      |

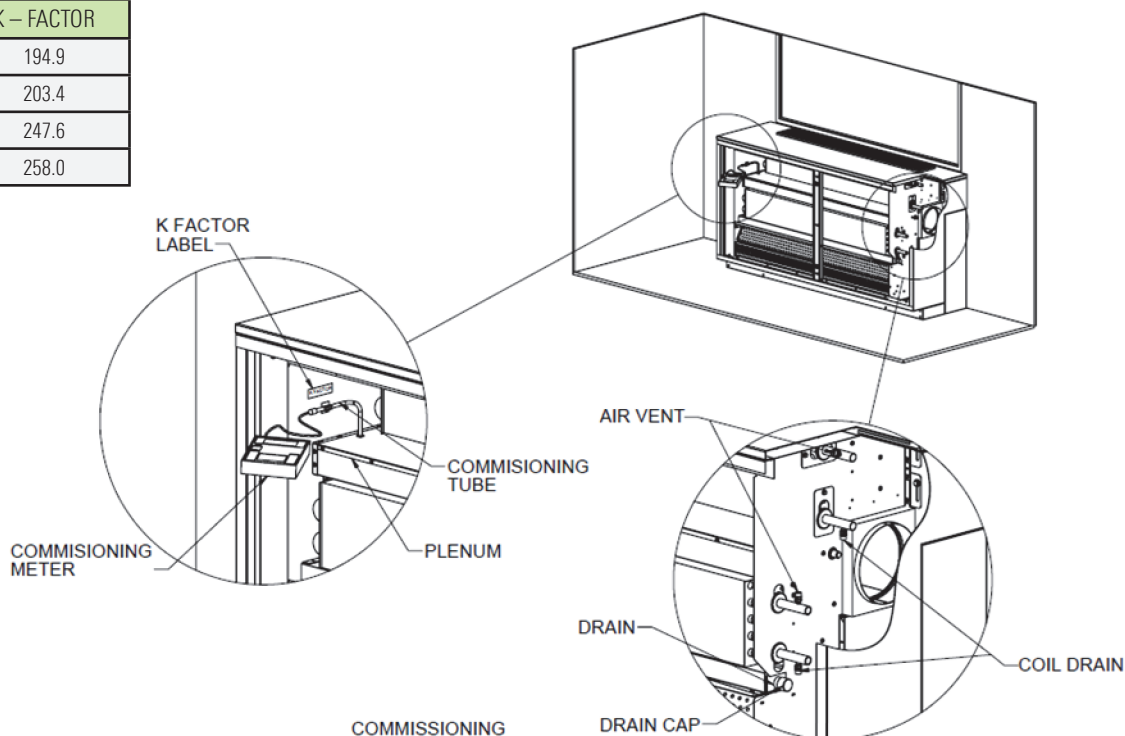


Figure 11

## Notes

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