

# INSTALLATION INSTRUCTIONS

Down flow Conversion kit numbers DFK-1, DFK-2 and DFK-3  
For CITY MULTI PVFY Air Handlers

8/30/2010

**IMPORTANT! The air handler must be operated within its normal airflow range to minimize the possibility of water blow off. The curves are located in the engineering manual.**

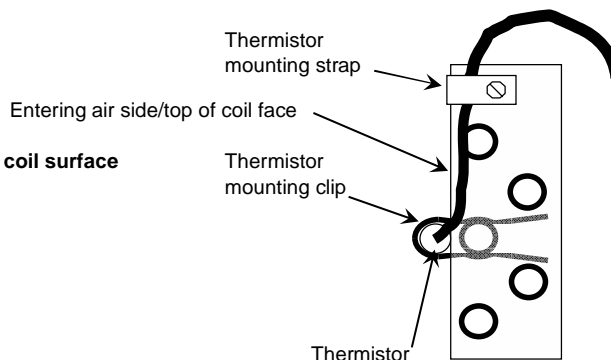
## The Kit Contains:

- 1 - Front connection panel
- 1 - Slotted front coil support bracket
- 1 - Coil support shelf
- 3 - Wire ties
- 10 - Sheet metal Screws
- 1 - Thermistor mounting clip
- 1 - Thermistor mounting strap

## Steps

1. Remove both the upper and lower front panels. (keep screws for re-assembly)
2. Discard the lower panel
3. Remove the control box cover.
4. Carefully remove the wires from the control box and along the cabinet edge. The plugs will be color coded to match the sockets on the control board.
5. Remove the screws holding the front coil support bracket from the sides of the cabinet. (keep screws for re-assembly)
6. Remove the screws that attach the front coil support bracket to the drain pan (keep screws for re-assembly)
7. Discard the front coil support bracket.
8. Remove the screws in the side of the cabinet securing the side drain pan bracket. Slide the A coil out of the lower compartment being careful not to damage any of the wires or connectors. Remove and discard the side drain pan and bracket. The A coil and wires should now be totally separate from the cabinet.
9. Invert the cabinet 180 degrees so that the top is now facing down in the desired mounting location.
10. Install the coil support shelf in the center of the cabinet just above the blower using screws supplied in the kit
11. Slide the evaporator onto the coil support shelf. The A coil should be in the original configuration with the drain pan on the bottom.
12. Install the new slotted front coil support bracket, attaching it to both the cabinet and the drain pan. The wires are to run through the slot.
13. Carefully route the wires along the left cabinet edge and reattach as before.
14. Attach the wires to the control board. Make sure the wires are plugged back in the proper color coded sockets on the control board.
15. Carefully remove the thermistor that is installed in the center of the A coil.
16. Using the clip provided with the kit, slide the clip over the thermistor wire jacket and attach to the top surface of the A coil just below the blower. (See diagram below)
17. Using the thermistor mounting strap secure thermistor wire to the top of the coil. (See diagram below)

**IMPORTANT!**  
**Attach the thermistor to the coil surface**  
**Not the U-bend**



18. There will be excess wire from the conversion process. This is to be neatly wrapped and secured with the included wire ties making sure wires will not be pinched or cut when reinstalling the panels.
19. Reinstall the new front connection panel over the coil.
20. The conversion is now completed. Continue normal installation procedures for the air handler.