



## EVOLUTION SERIES INSTALLATION INSTRUCTIONS

1. Place the **Outdoor Condenser** unit outside, at least 9-12" from a wall, with all three sides open to air.
2. Place the **Indoor Air Handler** unit in desired location within your space. Make sure that the Filter, Fittings, and Electrical Panel are easily accessible for maintenance.
3. Run pre-charged **Lineset** from the **Indoor Air Handler** unit to the **Outdoor Condenser** unit. Having the small access Fittings on the lines connected to the **Outdoor Condenser** unit is recommended for any potential troubleshooting.
4. When connecting the **Plug & Play Fittings**, no tools are required – simply pull back the red portion of the female Fitting and slide it onto the male Fitting, roughly three quarters of the way over the Fitting, onto the threads. Make sure that both Fittings are Square, Up/Down, and Side/Side. Turn clockwise to tighten, until the ball bearings snap into the machined track.

Repeat for all four Fittings on the unit. If a Fitting is not turning easily, threads may be misaligned. Turn counter-clockwise to reseal the Fitting, then clockwise to tighten the Fitting.

5. Screw the included white PVC **P-Trap** into the **Condensation Drain** on the unit, making sure that it is facing downward. This prevents air from entering, plugging the drain, and overflowing it. (Occasional priming is required to ensure constant water flowing from the P-Trap.)
6. Take Control Wire from connector labelled **Condenser** at the **Indoor Air Handler** and connect it to the **Outdoor Condenser**. Line up keyholes of male and female connectors and push them together. Turn the outer ring clockwise to lock connectors in place. The triangles etched on the connectors should line up on both sides of the connector. Repeat connection on the **Outdoor Condenser** unit.
7. Remove the Electrical Panel cover, gaining access to the system controls. Using one of the two available 1/2" holes, wire the thermostat to the following corresponding terminals inside the electrical panel:

**Orange = O, White = C, Green = G, Black = Y, Red = R**

8. Run electrical wire from the main panel to the **Indoor Air Handler**, through the 3/4" electrical connector and into the box. Secure the wire onto the Contactor using the set screws on each terminal, connecting the ground to the green terminal block. Verify that all wires are secure and that the 3/4" electrical connector has been sufficiently tightened.  
(Installation of a single-phase system requires two hot wires and a ground, while installation of a three-phase system requires three hot wires and a ground. No common is required.)
9. Turn on the main electrical breaker, causing the Thermostat to energize and the system to power on. If installing a three-phase system, verify that the fan is spinning in a clockwise direction. If that is not the case, swap placement of the two hot wires on the Contactor, then try again.

*For additional information  
and step-by-step videos,  
please visit:*

[www.excelairsystems.com/startup](http://www.excelairsystems.com/startup)

