

# **Before Installing Your System**

## **Some simple dos and don'ts!**

1. Heat rises even in a hot attic. Locate the PCS1 as high in the attic as is practical.
2. Airflow through the PCS1 is important. Do not obstruct air going in or out of the unit.
3. Recirculating air in the attic works well for heat transfer. Locate the PCS1 within the middle 1/3 of the attic. Do not locate near an end wall.
4. Heat is drawn into the coil and cooler air is discharged from the fan. If the PCS1 is located slightly off center along the attic ridge, make sure the coil side of the unit is facing the larger portion of the attic.
5. Suspending the PCS1 supporting platform using chains will minimize noise amplification caused by wood trusses. Therefore, do not rigid mount the PCS1 to the roof structure in areas where noise is a concern.
6. The attic sensor can be cooled by the air discharge of the PCS1. Locate the attic sensor at the peak of the attic and out of the airflow of the unit.
7. The pool water sensor can be influenced by the sun and rain. Shelter the pool water sensor as much as is possible. It can even be insulated if necessary with fiberglass or other materials.
8. The ground can “SINK” heat away from pipes going to and from the PCS1. **INSULATE OR WRAP ALL UNDERGROUND PIPES SO DIRT (GROUND) DOES NOT CONTACT THE PIPES DIRECTLY.**
9. Do not over tighten the wing nut on the relay for the Auto or Auto Plus systems. It can cause the relay to malfunction.
10. The mechanical stress caused by unsupported pipes can crack glued pvc joints. Support all pipes in and outside of the attic with straps or C-clamps that keep the weight of the pipes off of all joints and union connections.