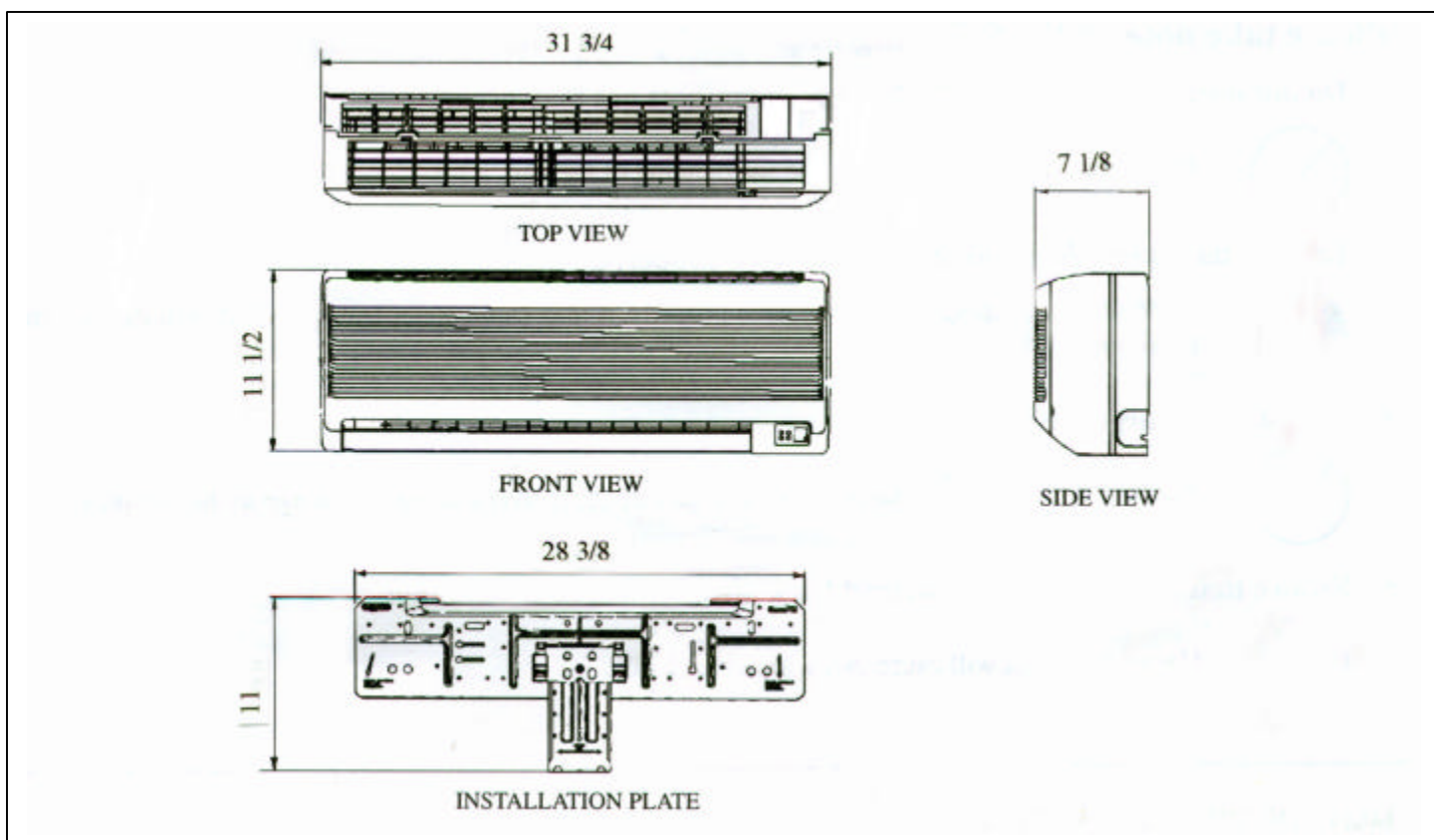


# SLK Series Evaporator



- Extremely Quiet Operation
- Low Profile, Wall Mounted
- R-22 Refrigerant
- 2600-4010-5700 BTU capacity
- Available Options
  1. Outdoor Condenser
  2. Electronic Thermostat with Digital Display

# INSTALLATION INSTRUCTIONS

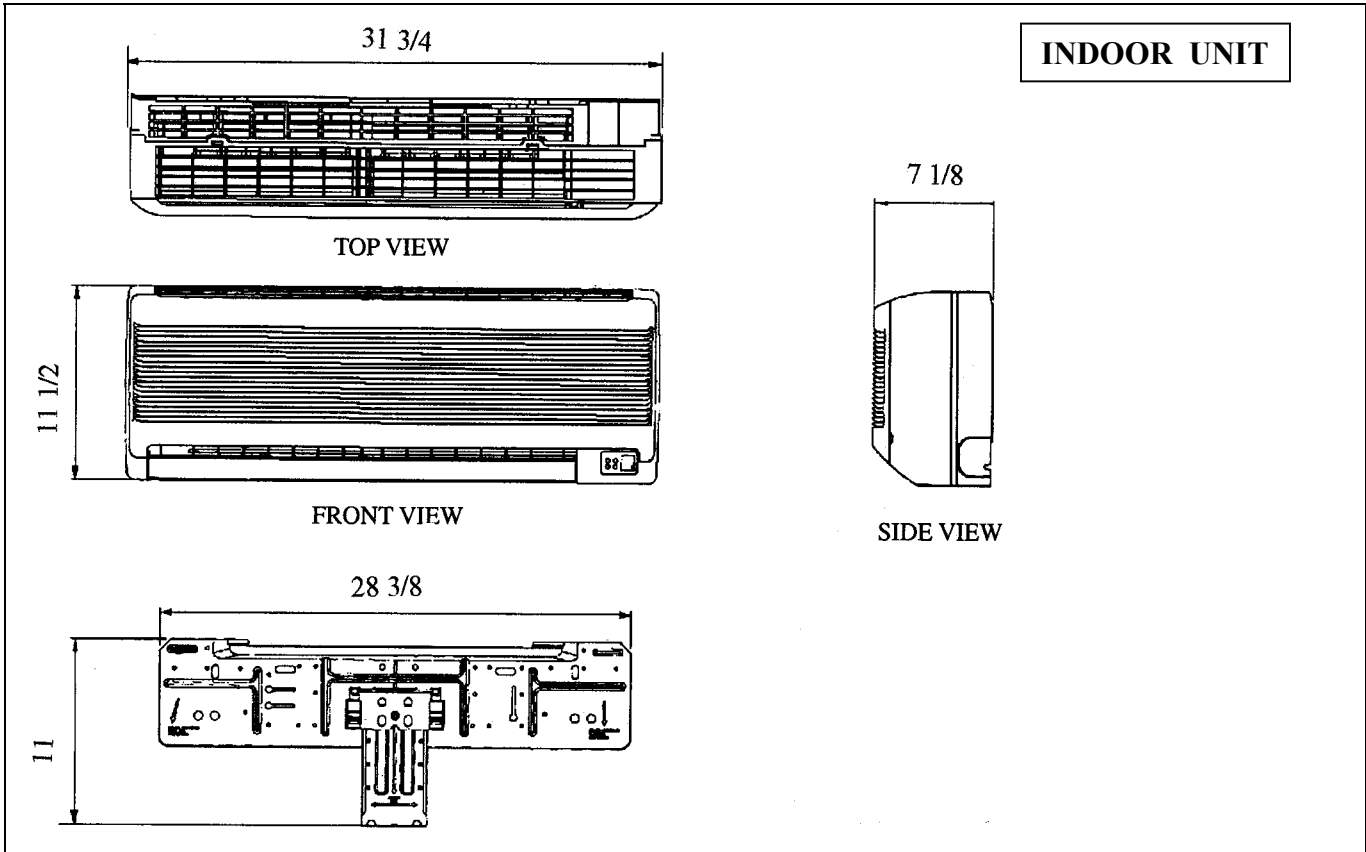
## CAUTION

**This equipment should be installed only by a qualified technician.**

1. Select a location for the evaporator coil. The Ideal location would be directly across from the entrance door. This will purge the entrance area when the door is opened, However since wine cellars are closed most of the time this is not critical. . Mount the evaporator coil to the ceiling leaving a distance equal to the height of the unit, minimum, to the wall to allow for proper airflow. If you have a air handler system refer to the additional information supplied. Wall mount units require no additional space, except to ensure that air flow is not restricted. Refer to information supplied with the evaporator for more specific information.
2. Place the condenser at the desired location (must be outside the wine cellar in a well ventilated area or outside). When installing an outdoor condenser be sure that it is located so snow or leaves will not pile up and block air flow. This can be accomplished by setting the condenser on concrete blocks Etc.
3. Install a line set sized according to Table 1. Insulate the vapor line the entire length of the run. Be sure to install a “P” trap in the suction line, several may be required if the condenser is higher than the evaporator.
4. Connect your gauges and Vacuum Pump to the condenser and Evacuate the system.
5. While the system is being evacuated, install the thermostat following the manufactures instructions and run the thermostat wire to the condenser unit, use the *R* and *Y* Terminal on the thermostat subbase, connect to the yellow and red wires in the condenser unit, if the system is an indoor unit use the *R* and *G* terminal on the control relay. On air handler systems refer to the drawing for that system.  
If possible, place the thermostat or sensor on the same wall as the evaporator coil near the evaporator air inlet. This will cause the thermostat to sense the air returning to the evaporator and should cool the entire room before the unit shuts off, Preventing compressor short cycling
6. Charge the unit with R22 according to Table 1 (or until bubbles appear in the sight glass. Continue to slowly add Refrigerant until the bubbles just disappear).
7. After the unit has run about 10 minutes check the sight glass. Under normal operation there should be no bubbles, If there is, the system is low on Refrigerant, Add Refrigerant to eliminate bubbles.
8. When the wine room has reached 55 Degrees Check the sight glass again and the gauge readings. Suction pressure should be in the range of 65 to 78. Liquid pressure should be in the range of 250 to 300. Check the superheat (8-15°) and if necessary adjust the expansion valve to compensate.

Unit Size	Liquid Line	Vapor Line	Refrigerant Req
2600 BTU	1/4	3/8	2.4 Lbs
4100 BTU	1/4	3/8	2.6 Lbs
5710 BTU	1/4	1/2	2.6 Lbs
7600 BTU	1/4	1/2	2.8 Lbs
10200 BTU	3/8	1/2	4.2 Lbs
10900 BTU	3/8	1/2	4.2 Lbs
13400 BTU	3/8	5/8	4.8 Lbs
18100 BTU	3/8	7/8	6.2 Lbs
22000 BTU	3/8	7/8	8.0 Lbs

Table 1

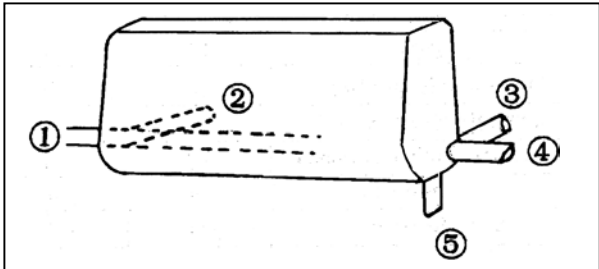
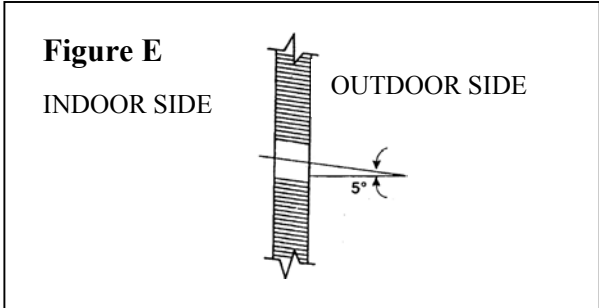
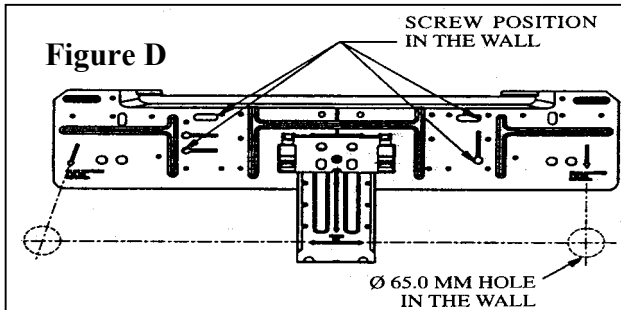
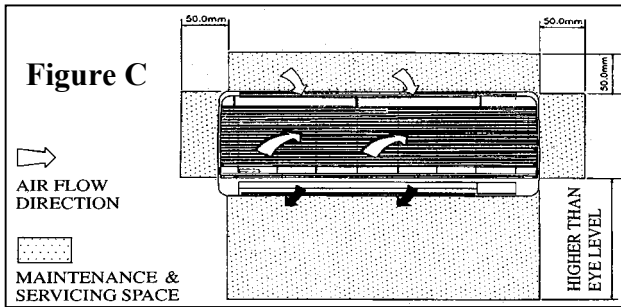


**INSTALLATION OF THE INDOOR UNIT**

The indoor unit must be installed so that there is no short circuit of the cool discharge air with the hot return air. Please follow the installation clearance shown in the figure. Do not place the indoor unit where there could be direct sunlight shining on the unit. Also, this location must be suitable for piping and drainage and be away from the door or window.

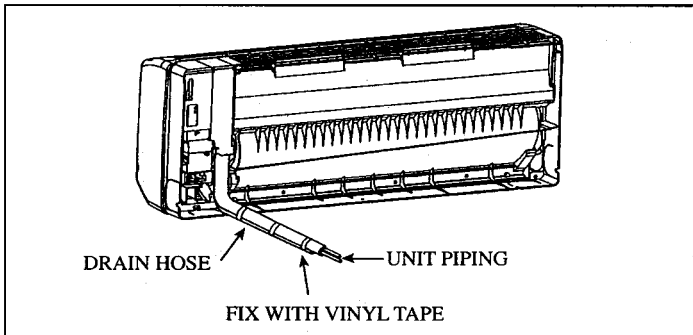
**MOUNTING INSTALLATION PLATE**

Ensure that the wall is strong enough to support the weight of the unit. Use the plumb line for horizontal mounting, and fix it with 4 suitable screws. If the lines are through the wall, drill a 65mm hole at the proper location. It should be slightly lower on the outside of the wall



## ROUTING OF PIPING

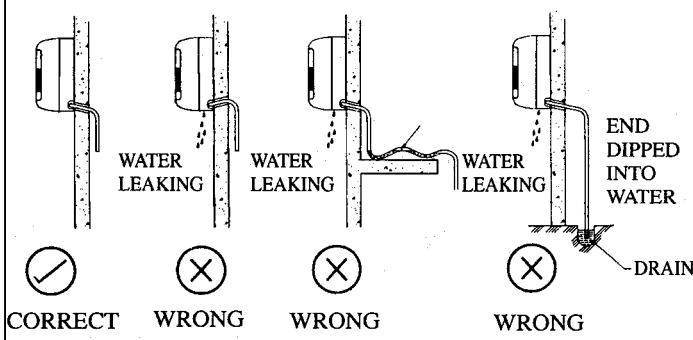
The refrigerant piping can be routed to the unit in a number of ways (left or right from the back of the unit) by using the cut-out holes on the casing of the unit (see figure). Bend the pipes carefully to the required position in order to be aligned with the holes. For right hand and rear side drawing out, hold the bottom of the piping and then fix the direction (see figure). The condensation drain hose should be taped to the pipes.



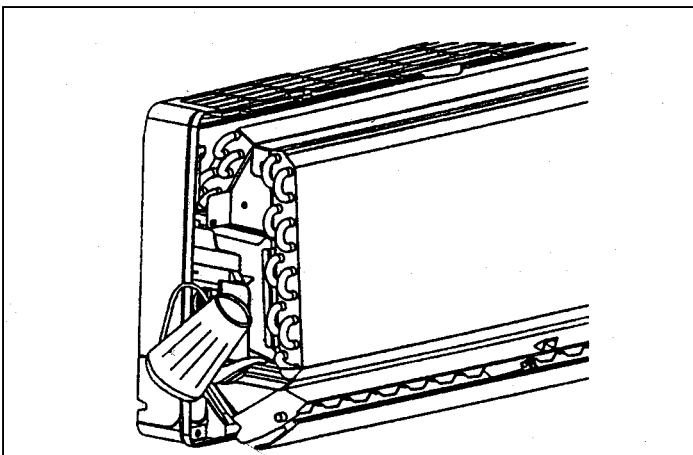
## WATER DRAINAGE PIPING

The indoor drain pipe must be downwards gradient for smooth drainage. Avoid situations that are likely to cause water leaking.

FIGURE 1

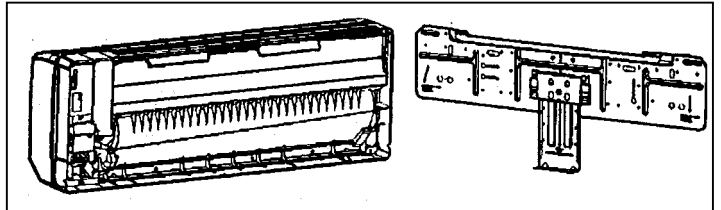


Check to see that there is a good flow of condensate water into the drain pan.

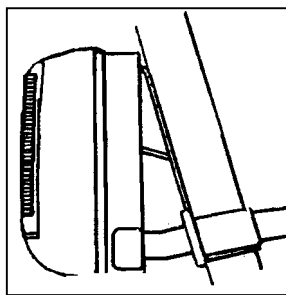


## MOUNT THE UNIT ONTO THE INSTALLATION PLATE

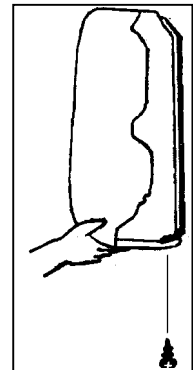
Hook the indoor unit onto the upper portion of the installation plate (engage the two hooks at the rear top of the indoor unit with the upper edge of the installation plate) To ensure that the hooks are properly seated on the installation plate, try checking by moving it slightly to left and to the right.



1. Hook the unit onto the installation plate.



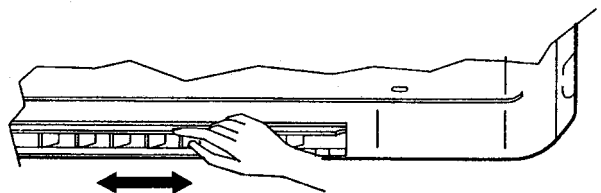
2. A unit support plate on the installation plate can be used to hold the unit slanted (see figure) to ease the piping installation work

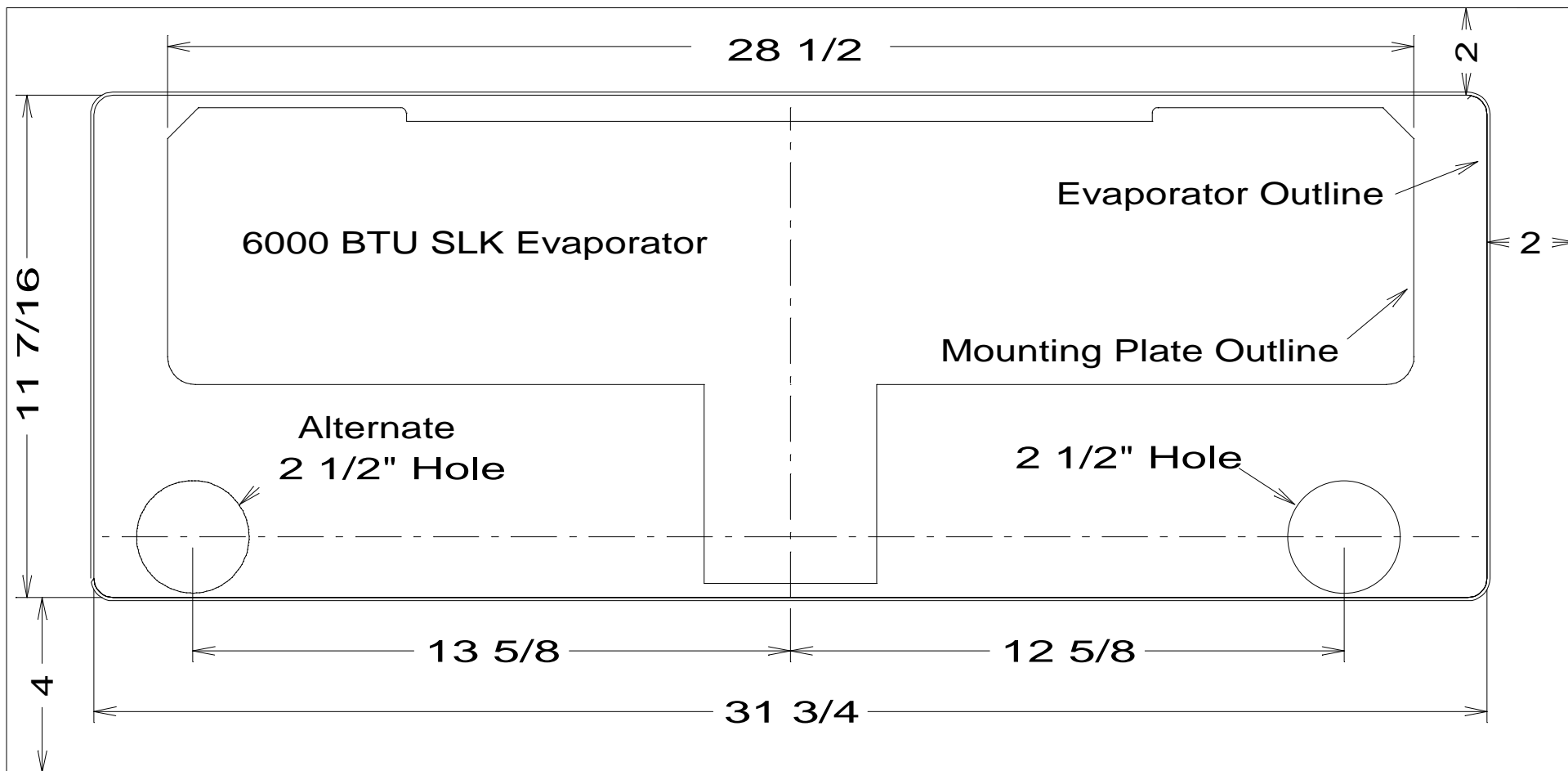


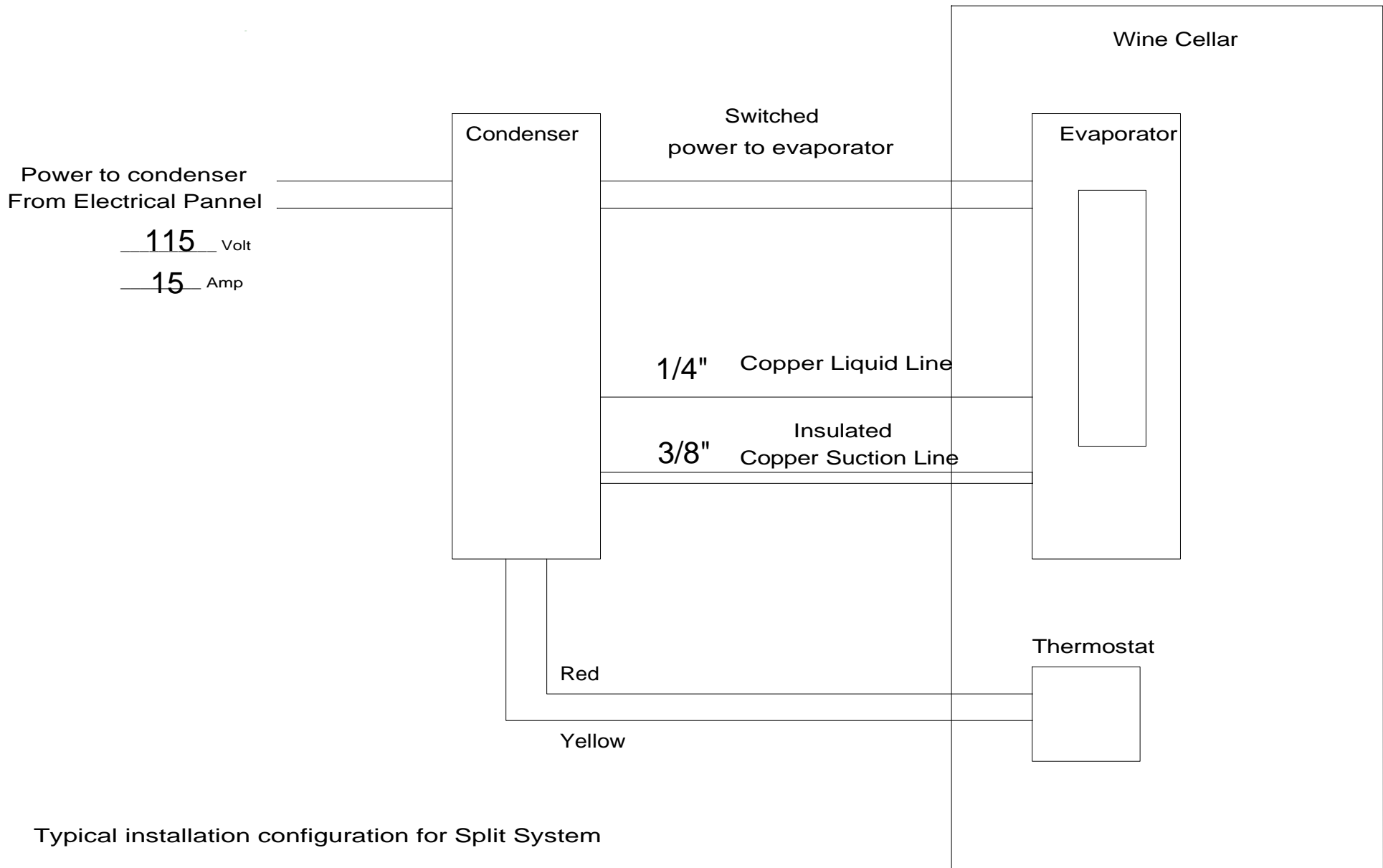
3. Fix the screw underneath after completion of installation

## HORIZONTAL AIR FLOW CONTROL

For more effective air circulation, you can manually adjust the air discharge grille to the left or right.







# Condensers

## Indoor condenser



Our commercial quality condenser is the heart of the cooling system.

This rugged unit made by one of the world's largest manufacturer of compressors is reliable and safe.

A fan guard insures that no moving parts are exposed to children or pets.

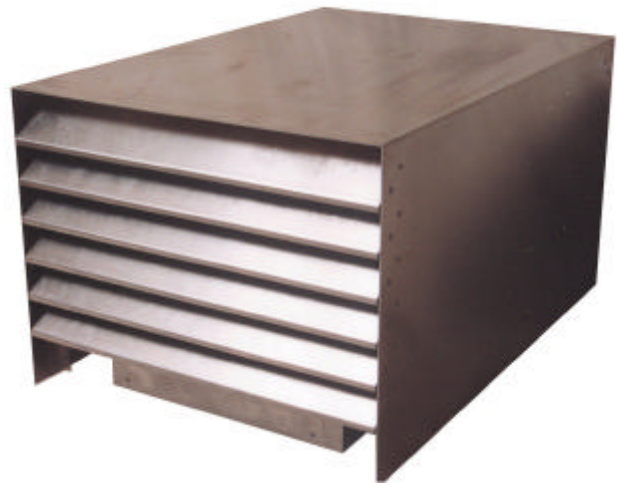
## Outdoor Condenser package

This outdoor enclosure provides protection from the elements while allowing the unit to operate in the most severe weather conditions

Made of heavy gauge rust proof aluminum.

Measures 18" wide x 14" high x 26" deep

For units up to 8000 BTU



Outdoor housing for units 8000 BTU and up. Actual size depends on the specific unit

Features include raised base and easy access fold up split housing.

This is the thermostat that comes standard with the SLK, SLJ and standard cooling systems.

Ranco Electronic Thermostat  
Features include push button programming  
internal switch to disable buttons on face to  
prevent tampering and remote sensor.  
Option (RAN)

#### Goldline Electronic Thermostat

##### Features

- x Snap in display that can be remote mounted using standard RJ11 cable.
- x Low and high temperature memory (restable)

Option (GLS)