

INSTRUCTIONS!
DO NOT DISCARD!

CAUTION!

Do NOT install where injury might occur due to
Moving parts, Sharp corners, Hot surfaces
or electrical components

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.
- 2 Place the condenser at the desired location (air cooled condensers 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 the specifications for your unit. Insulate the vapor line the entire length of the run. Be sure to install "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 sub base, 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 the specifications for your unit (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 (which should be 8-15°) and if necessary adjust the expansion valve to compensate.

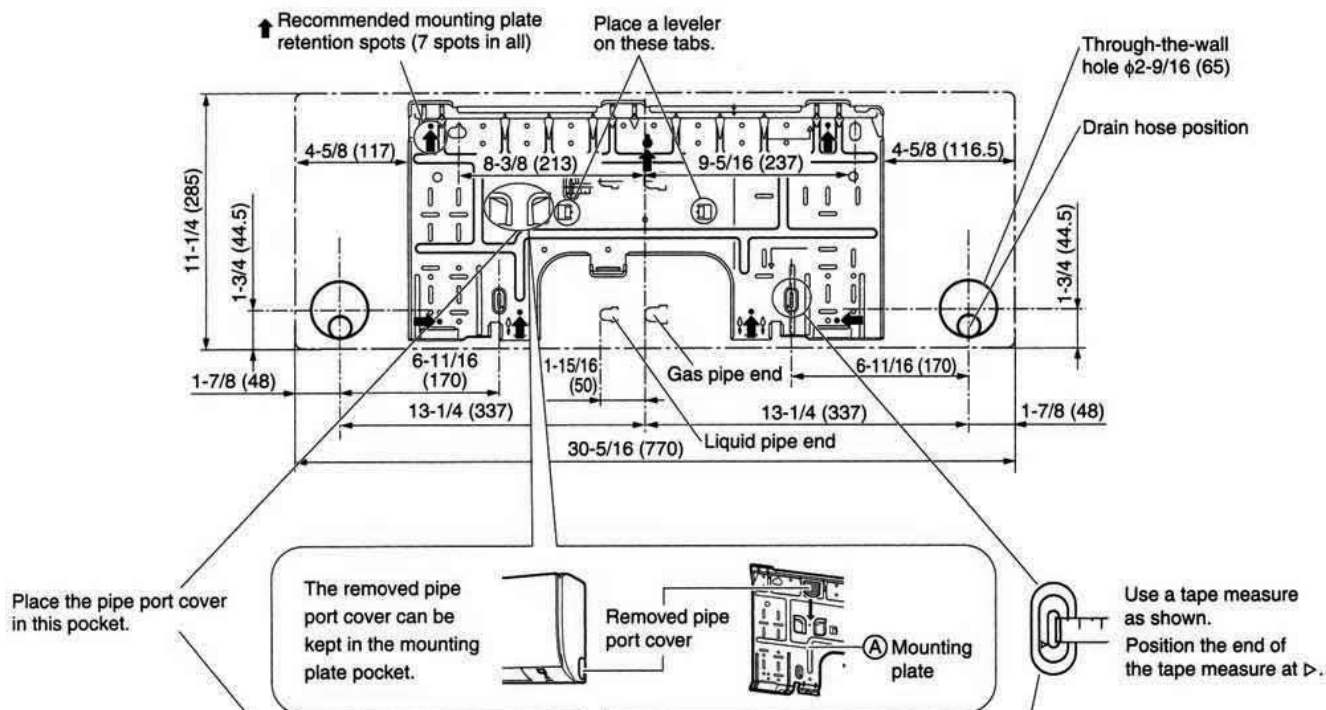
Indoor Unit Installation

1. Installing the mounting plate

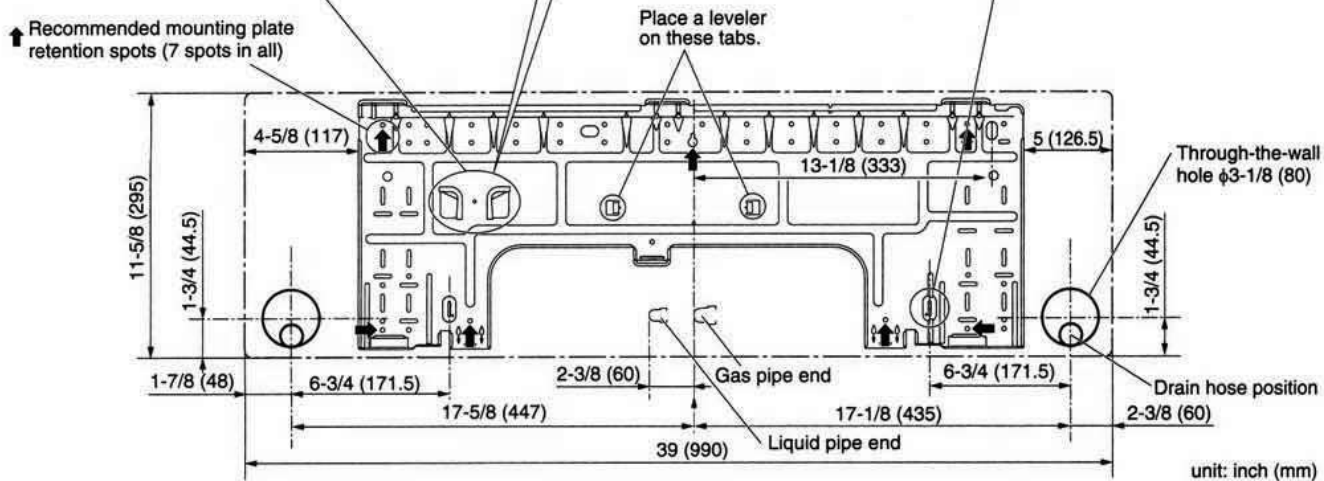
- The mounting plate should be installed on a wall which can support the weight of the indoor unit.
 - Temporarily secure the mounting plate to the wall, make sure that the panel is completely level, and mark the drilling points on the wall.
 - Secure the mounting plate to the wall with screws.

Recommended mounting plate retention spots and dimensions

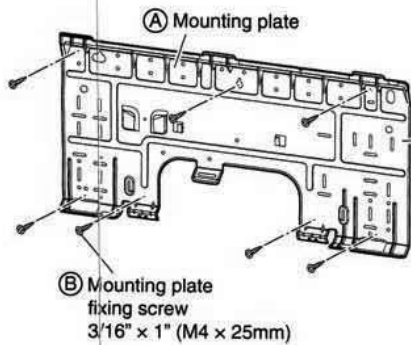
09/12 class



18/24 class



Indoor Unit Installation Drawings



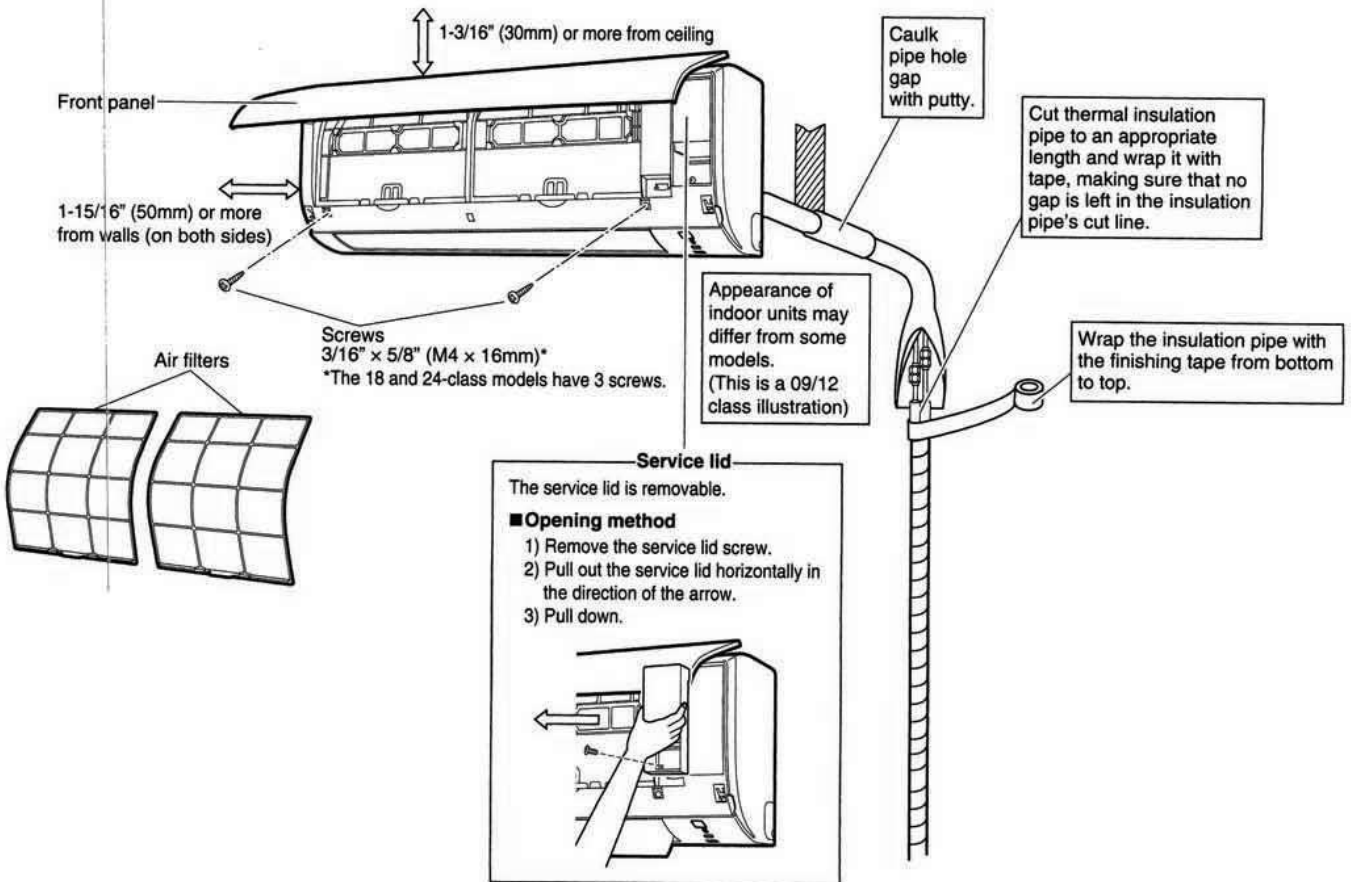
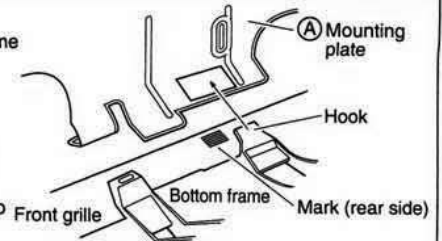
The (A) mounting plate should be installed on a wall which can support the weight of the indoor unit.

■ How to attach the indoor unit

Hook the hooks of the bottom frame to the (A) mounting plate. If the hooks are difficult to hook, remove the front grille.

■ How to remove the indoor unit

Push up the marked area (at the lower part of the front grille) to release the hooks. If it is difficult to release, remove the front grille.



Typical installation configuration for Split System

SLD 5700 & 7600

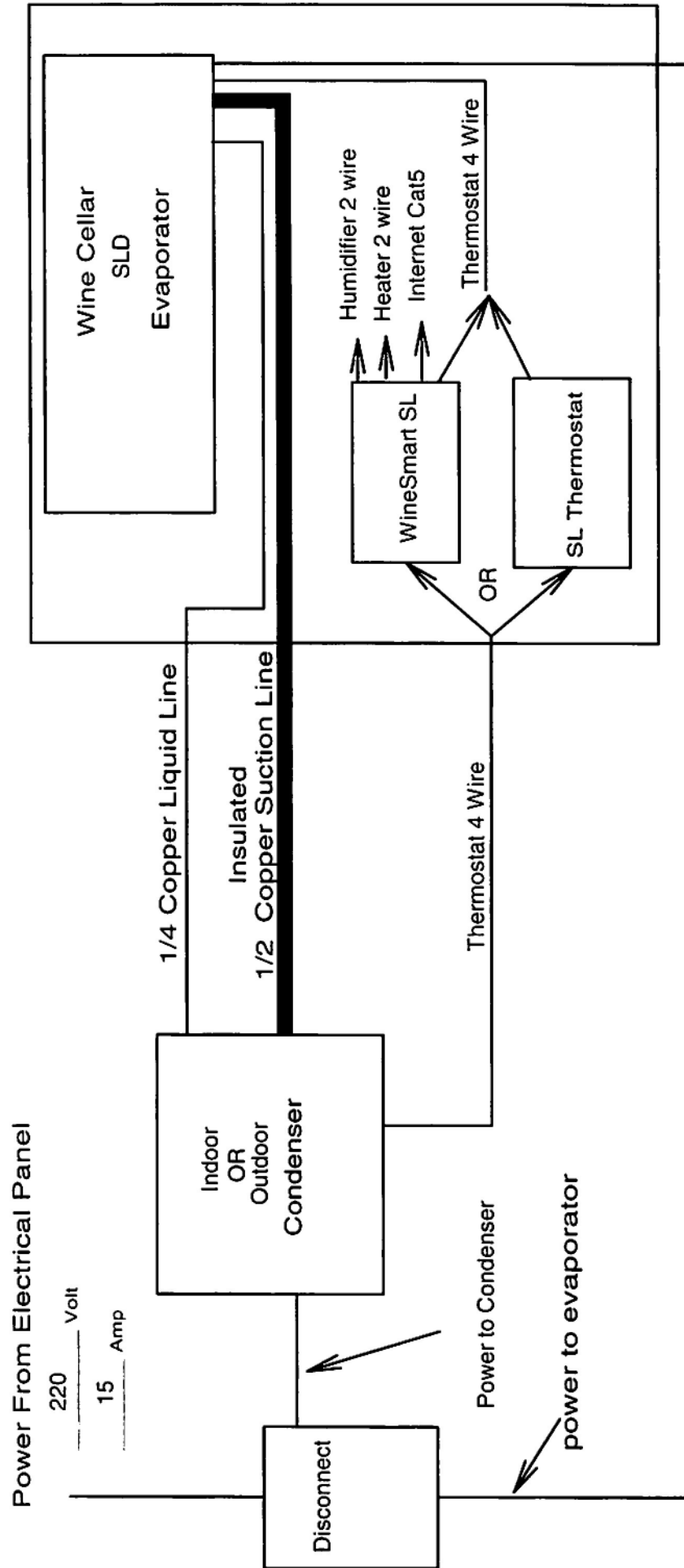


Figure #1

Wiring diagram

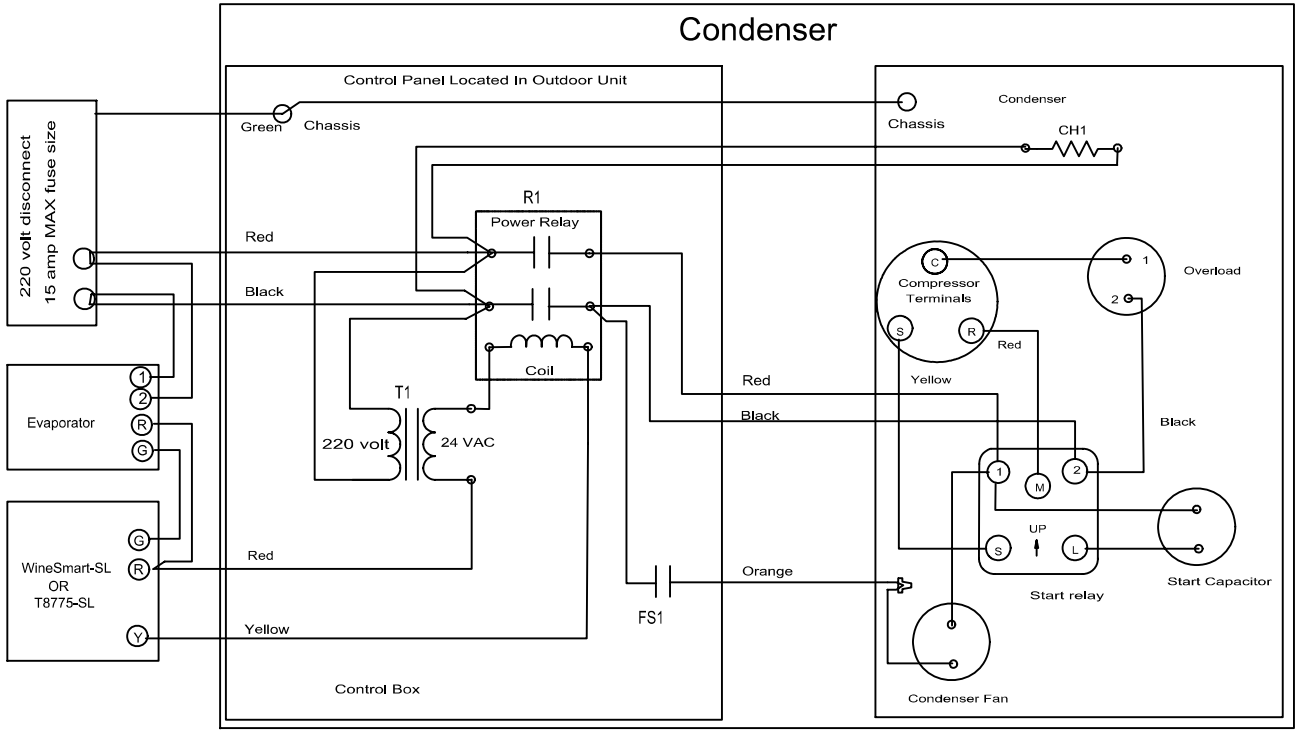
7600 BTU R22 Outdoor unit

R1 Compressor Contactor

T1 230 vac - 24 vac Transformer

FS1 Pressure Controlled Fan Switch

CH1 Crankcase Heater

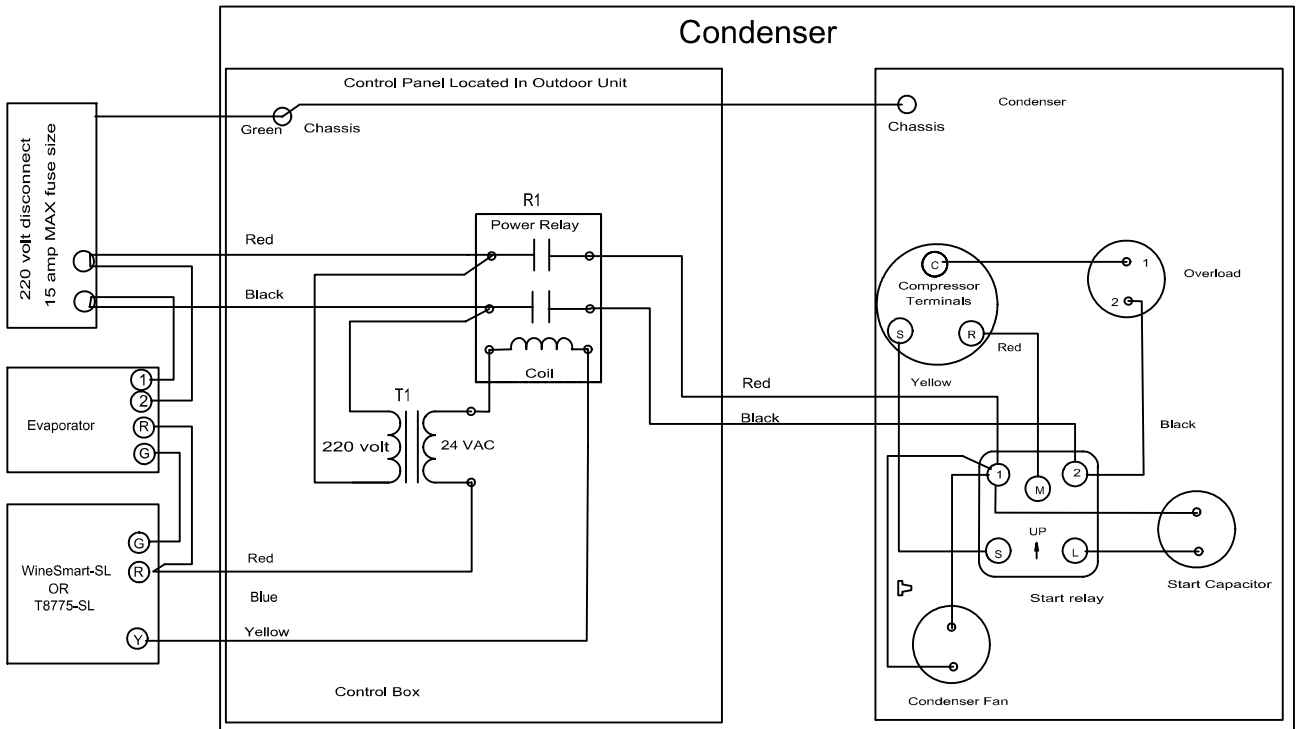


Wiring diagram

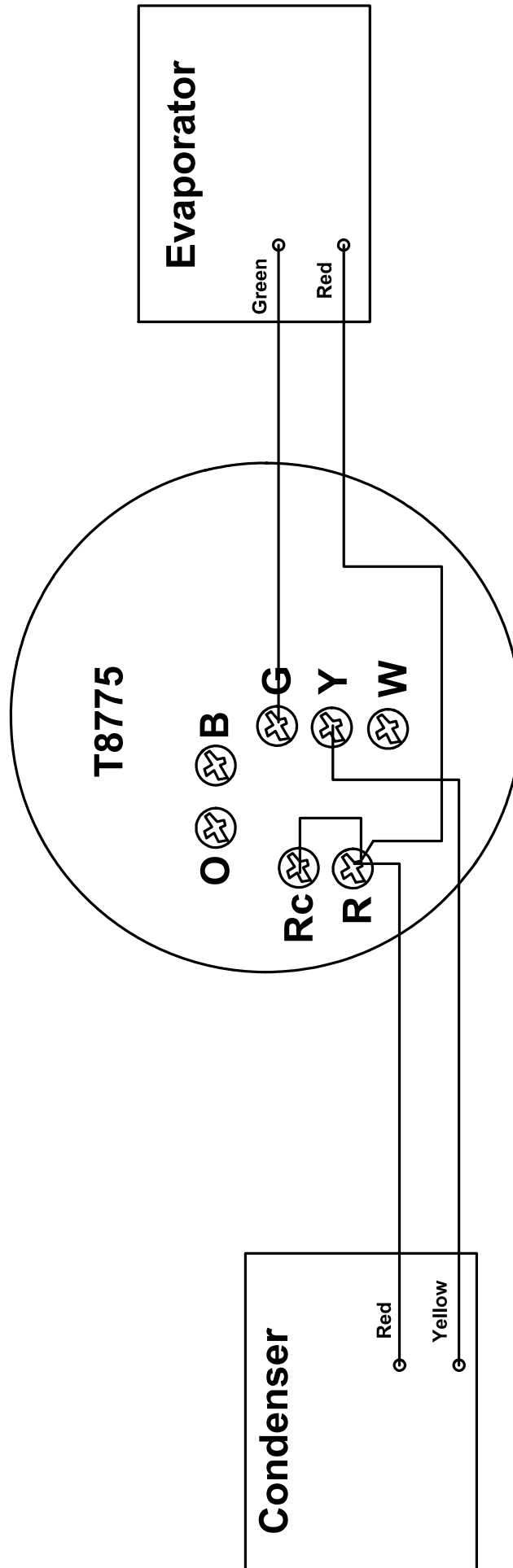
7600 BTU R22 Indoor unit

R1 Compressor Contactor

T1 230 vac - 24 vac Transformer



SL Thermostat Wiring



Specifications SLD-7	
Refrigerant	R-22 or Equivalent
Charge	2.6 LBS.
Liquid Line	1/4
Suction Line	1/2
Evaporator	
Evaporator Air Flow Max	360/403/480/572 CFM
Sound Level Indoor	45 DB
Evaporator Watts	65
Installed Size	41-5/16Wx11-7/16Hx9-3/8D
Boxed Size	45x14.5x12.5
Installed Weight	26.5 LBS
Boxed Weight	31 LBS
Condensor	
Indoor Condensor	
Installed Size	20.6Wx13.9Hx13.2D
Boxed Size	24Wx17Hx14D
Installed Weight	91 LBS.
Boxed Weight	100 LBS
Outdoor Condensor	
Installed Size	26W x 18H x 14D
Boxed Size	28W x 18.875H x 16D
Installed Weight	107 LBS.
Boxed Weight	119 LBS.
Condensor electrical	
Min. Circuit Ampacity	15 amp
Voltage Range	220 VAC
Max. Fuse Size	15 Amp
Compressor RLA/LRA	4.3/31
Fan RLA	0.7

Refrigerants

Systems labeled R22 are capable of using any of the alternate R22 Class "A" refrigerants such as R422

If you prefer to use a refrigerant other than R22 we recommend using NU-22b (R422b) as it has R-22 like operating characteristics and is compatible with all standard ACR System Lubricants, i.e. MO, AB, and POE oils.

Please refer to the P/T chart on the opposite side of this sheet

Properly Label System:

For your convenience we have included a NU-22B label

If you have chosen another refrigerant Please avoid mixing refrigerants by properly labeling your system.

This System Contains NO Refrigerant!

For additional information concerning NU-22b or to find a dealer near you
www.icorinternational.com

This system charged with lb. oz.
NU-22B® (R-422B)

Technician	<input type="text"/>
Technician address	<input type="text"/>
Company name	<input type="text"/>
Company address	<input type="text"/>
Date	<input type="text"/>
Type of lubricant	<input type="text"/>
Lubricant manufacturer	<input type="text"/>
Amount of lubricant	<input type="text"/>

For more information about this and other quality refrigerant replacements contact:

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