

# WIRING DIAGRAM

## Split System Heat Pump (Outdoor Section)

Single Phase

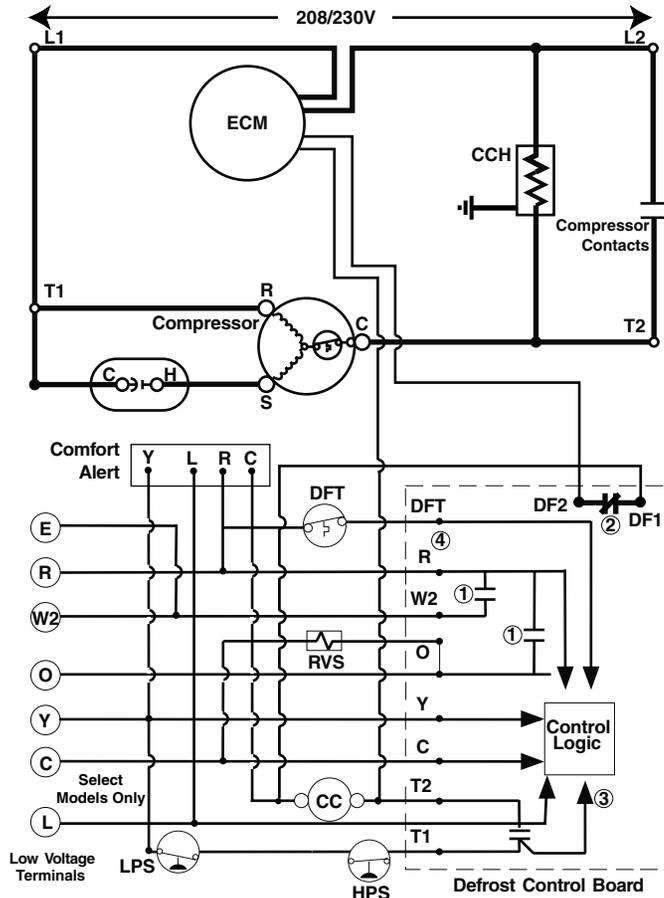
### NOTES:

1. Disconnect all power before servicing.
2. For supply connections use copper conductors only.
3. Not suitable on systems that exceed 150 volts to ground.
4. For replacement wires use conductors suitable for 105°C.
5. For ampacities and overcurrent protection, see unit rating plate.
6. Connect to 24 vac/40va/class 2 circuit. See furnace/air handler installation instructions for control circuit and optional relay/transformer kits.

Status LED	Status LED Description
Green "POWER"	Module has power
Red "TRIP"	Thermostat demand signal Y is present, but the compressor is not running
Yellow "ALERT" Flash Code 1	Long Run Time Compressor is running extremely long run cycle
Yellow "ALERT" Flash Code 2	System Pressure Trip Discharge or suction pressure out of limits or compressor overloaded
Yellow "ALERT" Flash Code 3	Short Cycling Compressor is running only briefly
Yellow "ALERT" Flash Code 4	Locked Rotor
Yellow "ALERT" Flash Code 5	Open Circuit
Yellow "ALERT" Flash Code 6	Open Start Circuit Current only in run circuit
Yellow "ALERT" Flash Code 7	Open Run Circuit Current only in start circuit
Yellow "ALERT" Flash Code 8	Welded Contactor Compressor always runs
Yellow "ALERT" Flash Code 9	Low Voltage Control circuit < 17 VAC

1. Couper le courant avant de faire letretien.
2. Employez uniquement des conducteurs en cuivre.
3. Ne convient pas aux installations de plus de 150 volt a la terre.

### Instructions for control circuit and optional relay/transformer kit.



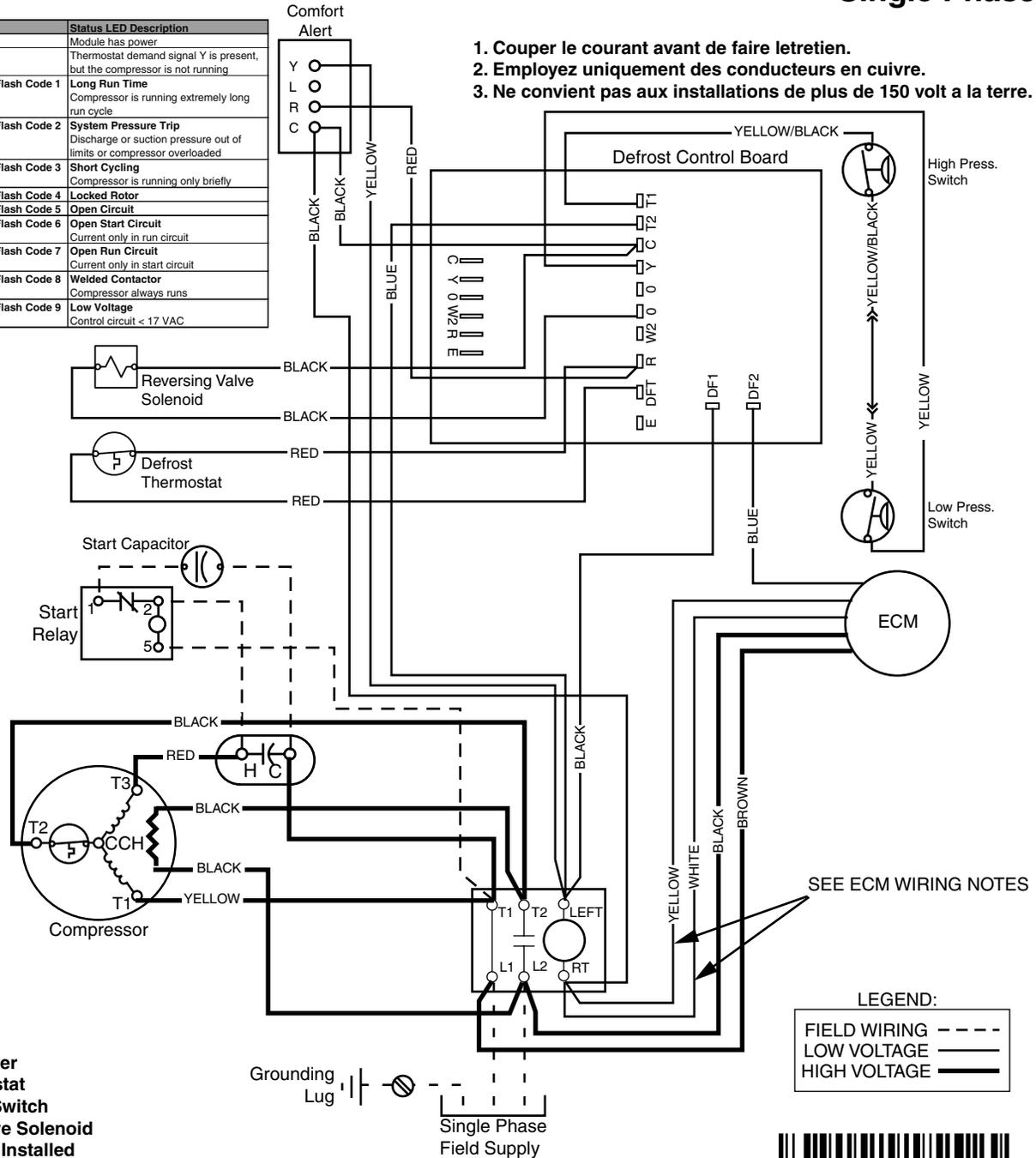
### Defrost Board Operation:

1. Closing during defrost. Rating: 1 Amp.Max
2. Opens during defrost. Rating: 2HP at 230 Vac Max.
3. Closed when "Y" is on. Open when "Y" is off. Provides "off" delay time of 5 min. when "Y" opens.
4. With DFT closed and "Y" closed, compressor run time is accumulated. Opening of DFT during defrost or interval period resets the interval to 0.

CC - Contactor Coil  
 CCH - Crankcase Heater  
 DFT - Defrost Thermostat  
 HPS - High Pressure Switch  
 REVS - Reversing Valve Solenoid  
 \* - Hard Start Kit Field Installed

### ECM WIRING NOTES:

- 1) FOR 825 RPM ATTACH WHITE TO RIGHT CONTACTOR. (FOR SKUS 919660,919661,919662,919664)
- 2) FOR 960 RPM ATTACH YELLOW TO RIGHT CONTACTOR. (FOR SKU 919663)
- 3) FOR 1100 RPM ATTACH WHITE AND YELLOW TO RIGHT CONTACTOR.



SEE ECM WIRING NOTES

### LEGEND:

FIELD WIRING	----
LOW VOLTAGE	————
HIGH VOLTAGE	————



710660A (Replaces 7106600)