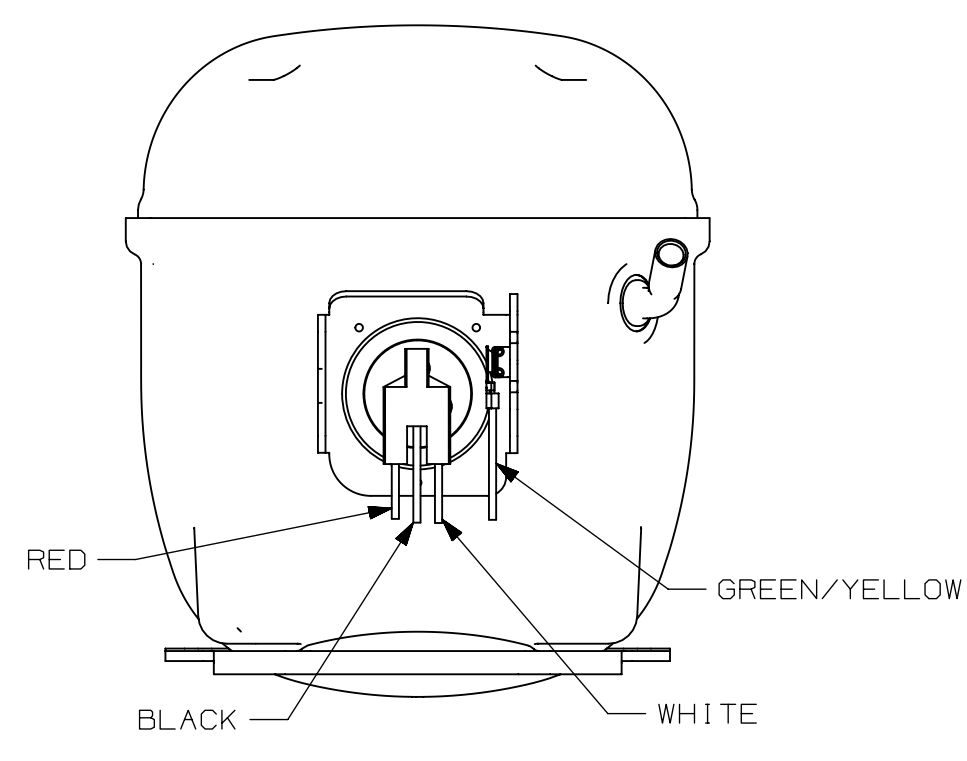
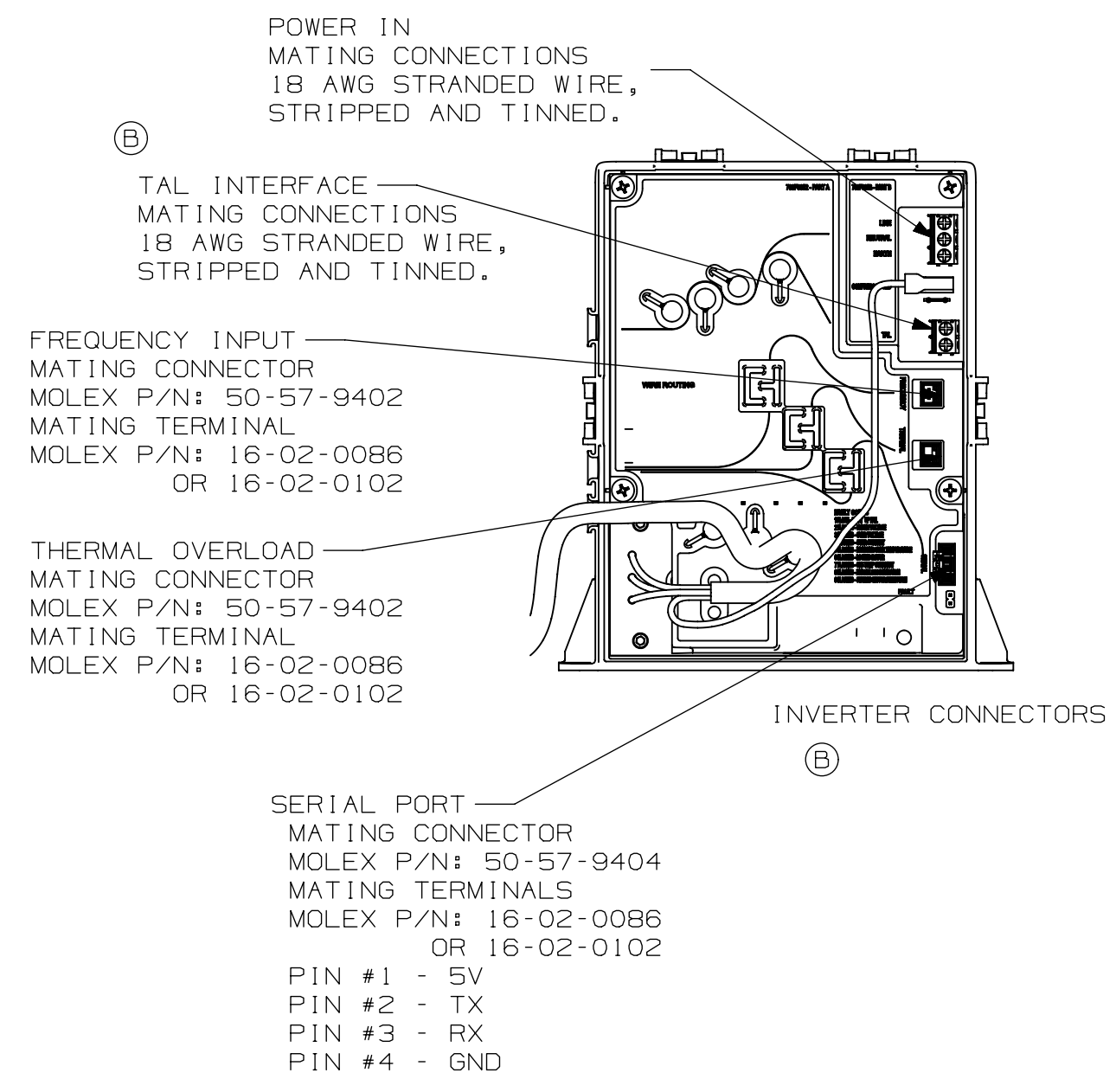


TABLE A *	
SPEED COMMAND FREQUENCY (Hz)	COMPRESSOR SPEED (RPM)
LESS THAN 80	STOPPED
80 - 83	2500
100	3000
120	3600
133	4000
150	4500

TABLE B	
PULSE #	FAILURE CONDITION
1	START UP FAILURE
2	UNDER VOLTAGE
3	OVER VOLTAGE
4	OVER CURRENT
5	INVERTER OVER TEMPERATURE
6	LOCKED ROTOR
7	CN5 TEMP OVERHEAT
8	PHASE LOSS DETECTION
9	STALLED MOTOR DETECTION

FROM 83Hz TO 150Hz, THE FOLLOWING EQUATION HOLDS:
 COMPRESSOR SPEED [RPM] = COMMAND FREQUENCY [Hz] * 30

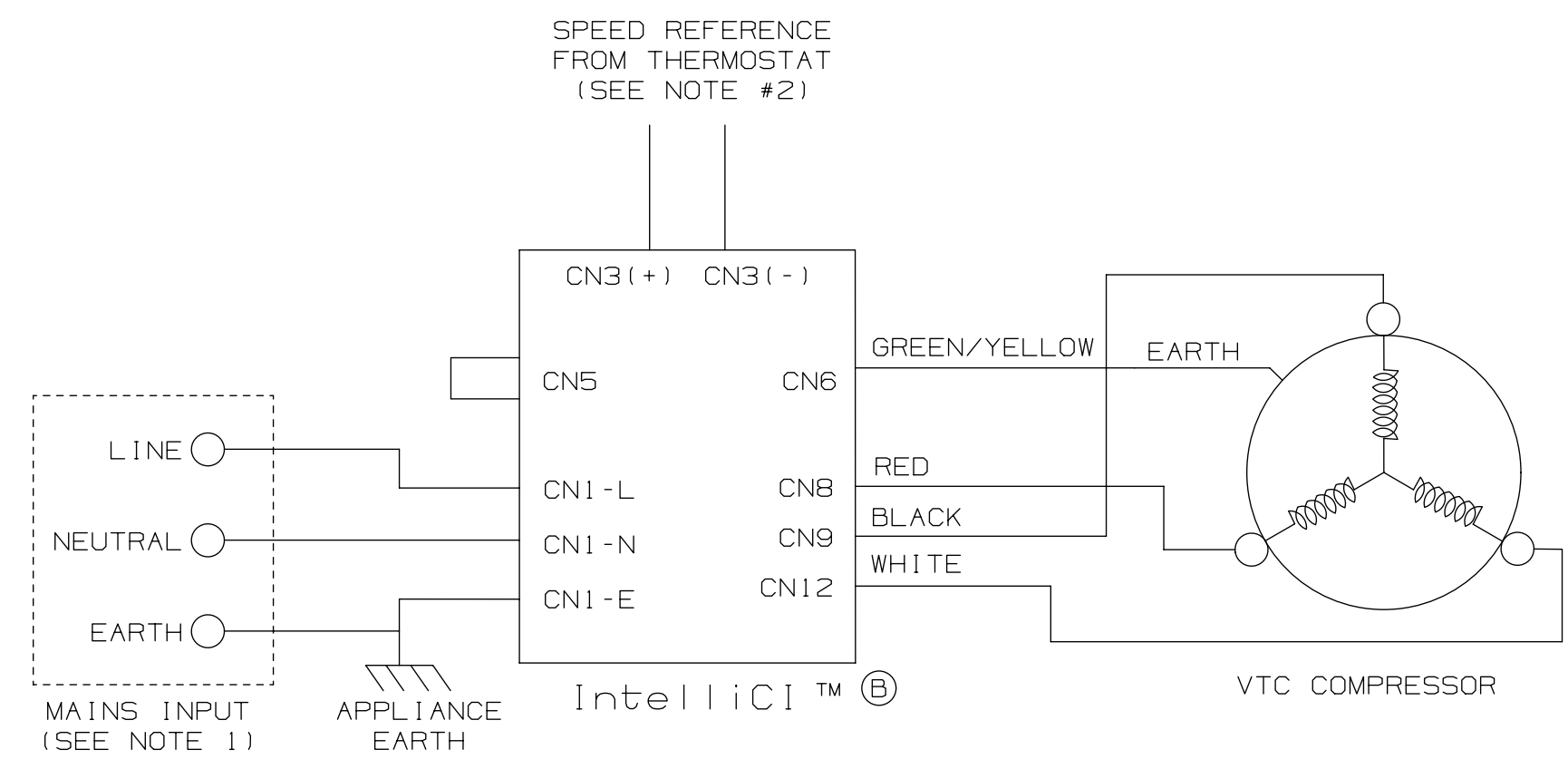
* CHECK COMPRESSOR DATASHEET FOR MAXIMUM AND MINIMUM SPEED ALLOWED.



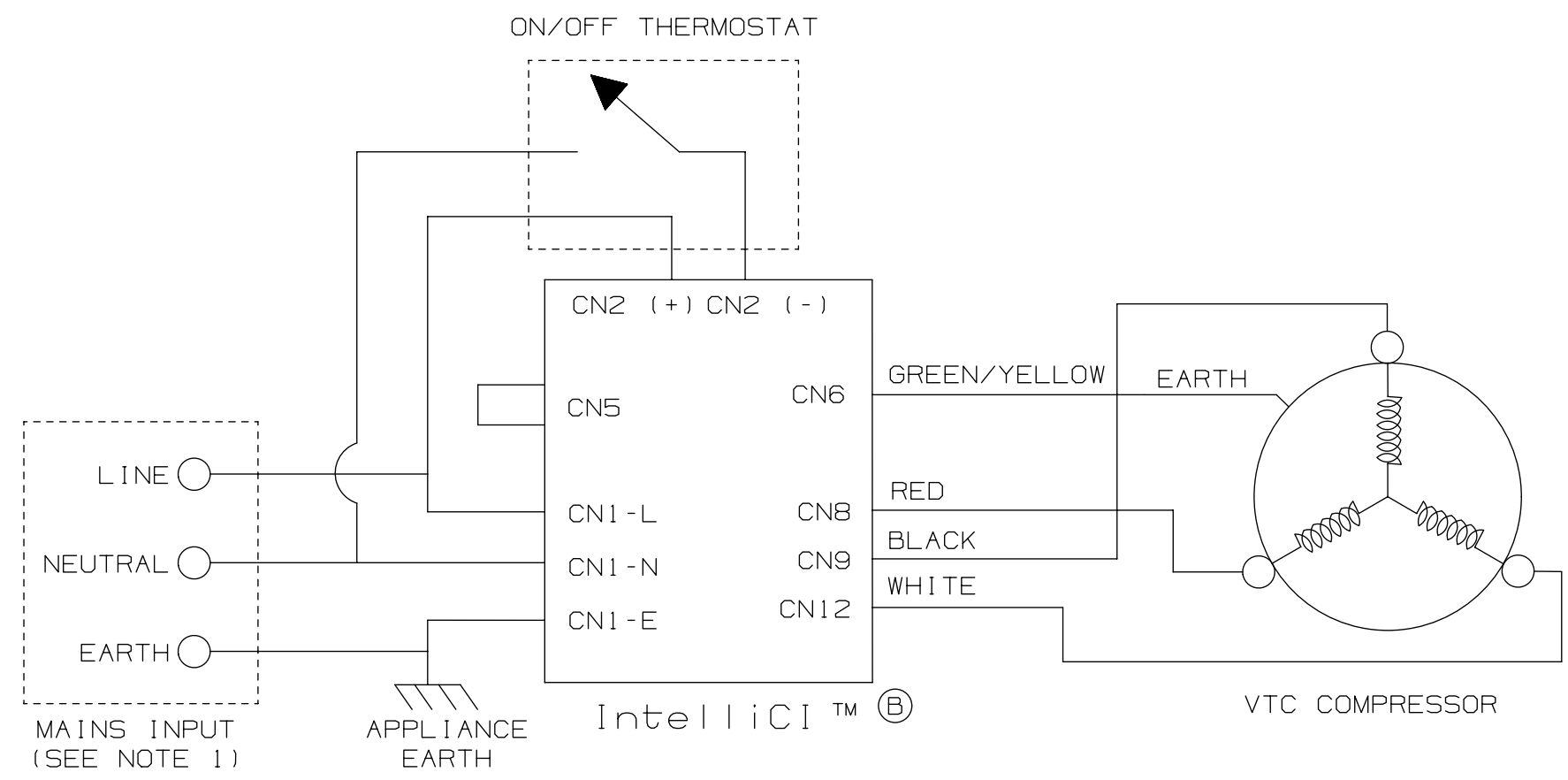
② INVERTER / COMPRESSOR CONNECTION

NOTES:

- ② 1. CHECK THE INVERTER MODEL BEFORE CONNECTING IT.
030F0207, 030F0228, 85-135 VAC/170-260 VAC, 50/60Hz
- ② 2. ISOLATED SPEED COMMAND INPUT.
SQUARE WAVE, 0-5V, 83-150Hz.
SEE TABLE A FOR COMMAND OPTIONS.
3. ISOLATED COMMAND INPUT FOR ON/OFF THERMOSTAT OPERATION.
4. INTERNAL LED FOR FAILURE INFORMATION, SEE TABLE B FOR FAILURE CODES.
- ② 5. CN5 JUMPER PROVIDED. JUMPER MAY BE REMOVED TO CONNECT TO THERMAL OVERLOAD PROVIDED BY CUSTOMER.



TYPICAL WIRING DIAGRAM WHEN OPERATING WITH VARIABLE SPEED THERMOSTAT



TYPICAL WIRING DIAGRAM WHEN OPERATING WITH ON/OFF THERMOSTAT

ENGLISH
Q.A. SYMBOLS
★ = CATEGORY I
▲ = CATEGORY II
■ = CATEGORY III
□ = CATEGORY IV

DLC 13MAY19		RDS 20AUG18		DATE		DRAWING, SALES, ELECTRICAL, VTC	
EC90543 WAS CONTROLLER	WAS DROP-IN	REV'D MODEL AND VOLTAGE	REV'D COMPRESSORS	WAS 70-260 V	ADDED NOTE #5	EC79466	21 JUN 17
7B	6D	5E	2D	3B	1A	REL	SCALE 1:1 & NOTED
MATERIAL							THIS PRINT SUPERSEDES ALL PRINTS PRIOR TO
DWG NO. DEMX0056							DWG NO. DEMX0056