

## MC3000 SERIES INVERTER RE-INITIALIZATION PROCEDURE REMOTE MOUNT INSTALLATION

1. TURN THE CIRCUIT BREAKER FOR THE CHILLER/VFD TO THE 'ON' POSITION. TURN THE CHILLER SWITCH TO THE OFF POSITION TO KEEP IT FROM STARTING. FOR HYDROMATIC APPLICATIONS, TURN THE POWER OFF AT THE CONTROL PANEL.
2. THE DISPLAY WILL SHOW STOP 60.00HZ. TO ENTER THE PROGRAM MODE, PRESS THE PROG/RUN KEY. IF THE PASSWORD PROTECTION IS ENABLED, THE PASSWORD RPOMPT WILL APPEAR WHEN AN ATTEMPT TO ENTER THE PROGRAM MODE IS MADE. TO CHANGE THE PASSWORD, USE THE UP OR DOWN ARROW KEYS TO SCROLL TO THE PASSWORD VALUE AND THE PRESS THE ENTER KEY.

NOTE: DEFAULT PASSWORD IS 0019 or 0033


3. ONCE THE CORRECT PASSWORD IS ENTERED, THE PROGRAM MODE WILL BE ENTERED AND THE DISPLAY WILL READ LINE VOLTS AUTO
4. PROCEED AS FOLLOWS:


-  PRESS ONCE. DISPLAY WILL READ - SPEED DIAL -
-  HOLD/PRESS UNTILS DISPLAY READS 65 PROGRAM
-  PRESS 2 TIMES. DISPLAY WILL READ PROGRAM MAINTAIN
-  PRESS ONCE. DISPLAY WILL READ PROGRAM RESET 60
-  PRESS ONCE. DISPLAY WILL AGAIN READ PROGRAM RESET 60
-  PRESS 2 TIMES. DISPLAY WILL STILL READ PROGRAM MAINTAIN
-  PRESS ONCE. DISPLAY WILL READ - SPEED DIAL -
-  PRESS UNTIL DISPLAY READS #1 SPEED#1
-  PRESS 2 TIMES. DISPLAY WILL READ SPEED #1 20.0HZ
-  HOLD/PRESS UNTIL DISPLAY READS SPEED #1 60.0HZ
-  PRESS ONCE
-  PRESS ONCE. DISPLAY WILL READ #1 SPEED #1
-  PRESS UNTIL DISPLAY READS #8 ACCEL
-  PRESS 2 TIMES. DISPLAY WILL READ ACCEL 300 SEC
-  HOLD/PRESS UNTIL DISPLAY READS ACCEL 50 SEC
-  PRESS ONCE


(CONTINUED ABOVE RIGHT)


4009-05.GCD


(CONT.)


 PRESS ONCE. DISPLAY WILL READ #8 ACCEL


 PRESS 2 TIMES. DISPLAY WILL READ #10 MIN FRQ


 PRESS 2 TIMES. DISPLAY WILL READ MIN FRQ .50HZ


 HOLD/PRESS UNTIL DISPLAY READS MIN FRQ 45.0HZ


 PRESS ONCE


 PRESS ONCE. DISPLAY WILL READ #10 MIN FRQ


 PRESS UNTIL DISPLAY READS #25 START


 PRESS 2 TIMES. DISPLAY WILL READ START NORMAL


 PRESS 2 TIMES. DISPLAY WILL READ START AUTO 1


 PRESS ONCE


 PRESS ONCE. DISPLAY WILL READ #25 START


 PRESS 3 TIMES. DISPLAY WILL READ #30 CONTROL


 PRESS 2 TIMES. DISPLAY WILL READ CONTROL LOCAL


 PRESS ONCE. DISPLAY WILL READ CONTROL REMOTE


 PRESS ONCE


 PRESS ONCE. DISPLAY WILL READ #30 CONTROL


 PRESS UNTIL DISPLAY READS #47 TB13A


 PRESS 2 TIMES. DISPLAY WILL READ TB13A NONE


 PRESS 3 TIMES. DISPLAY WILL READ TB13A SPEED #1


 PRESS ONCE


 PRESS ONCE. DISPLAY WILL READ #47 TB13A

 PRESS UNTIL DISPLAY READS #54 RELAY

 PRESS 2 TIMES. DISPLAY WILL READ RELAY NONE

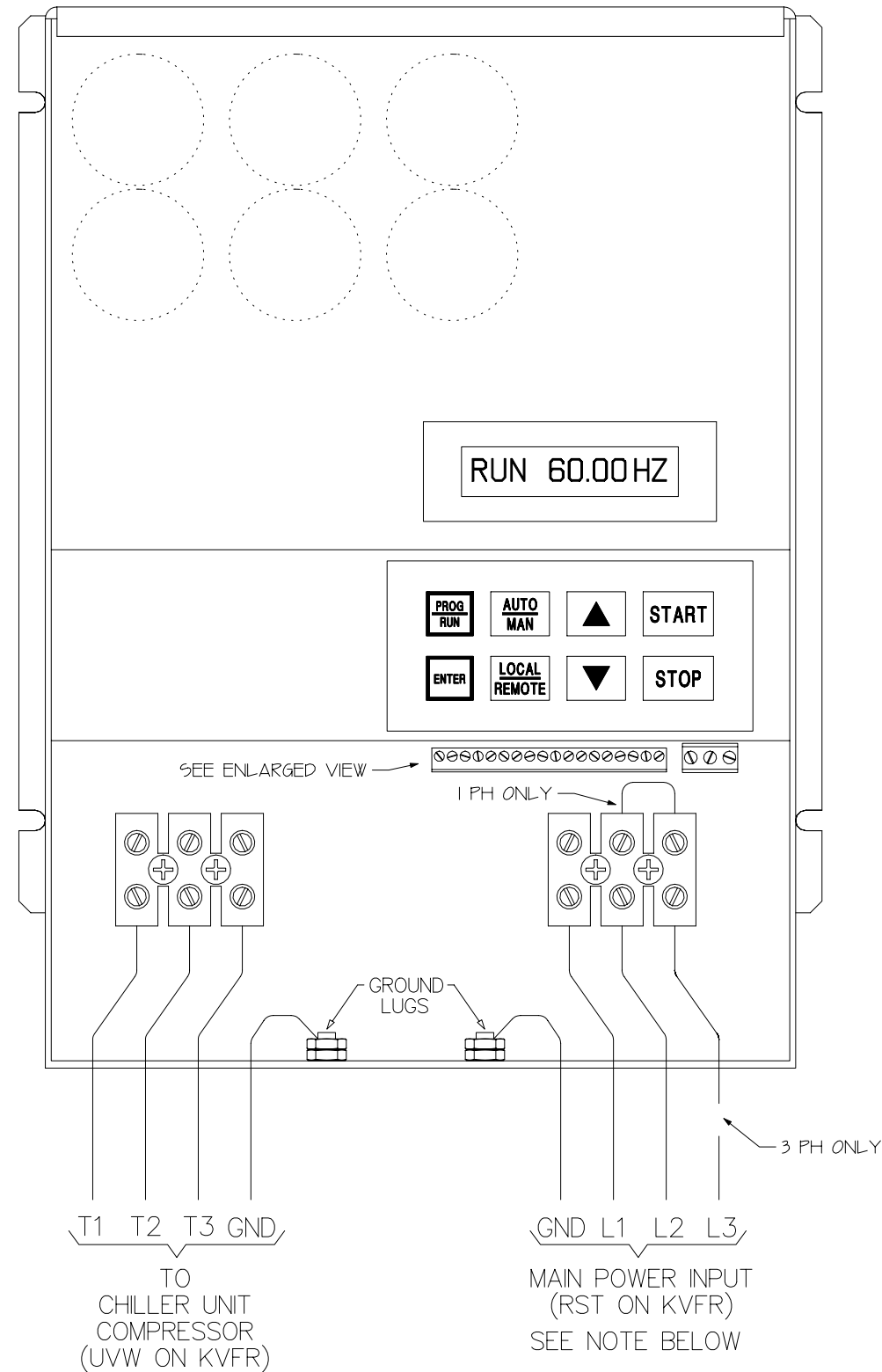
 PRESS UNTIL THE DISPLAY READS RELAY /FAULT

 PRESS ONCE.

 PRESS ONCE. DISPLAY WILL READ STOP 60.0HZ

5. THE CHILLER UNIT CAN NOW BE TURNED ON AT THE REMOTE PANEL. AFTER GOING THROUGH THE CHILLER UNIT TIME DELAY, THE CHILLER SHOULD START AND RAMP UP IN SPEED OVER A 5 SECOND PERIOD UNTIL IT REACHES 60.0 HZ. 4009-05.GCD

VARIABLE FREQUENCY DRIVE  
MC3000 SERIES

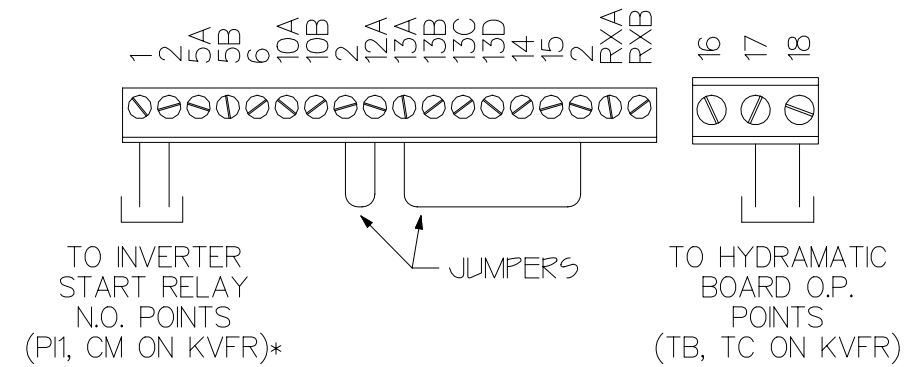


NOTE: FOR SINGLE PHASE INPUT CONNECT POWER TO L1 AND L2.  
ENSURE THAT A JUMPER IS INSTALLED BETWEEN L2 AND L3.

MC 3000 SERIES INVERTERS  
USER SETTINGS

PARAMETER NUMBER	PARAMETER NAME	USER SETTING
1	SPEED #1	60
8	ACCEL	5.0 SEC
10	MIN FRQ	45 Hz
25	START	AUTO 1
30	CONTROL	REMOTE
47	TB13A	SPEED #1
54	RELAY	/FAULT

ENLARGED VIEW OF CONTROL TERMINAL BLOCK



\* THESE TWO WIRES MUST BE CONNECTED TO THE COMMON AND NORMALLY OPEN POINTS AT THE RELAY.

<b>AQUA-AIR</b> MARINE AIR CONDITIONING SYSTEMS			
MC3000 SERIES INVERTER - WIRING INSTRUCTIONS 1, 3PH - REMOTE INSTALLATION			
DRAWING NUMBER	4009-05	DRAWN BY	CP
SCALE	NONE	DATE	03-15-99
APPROVED BY		REVISION DATE	
			REV A