CORRECTED WIRE COLOR FROM IDB AND CHANGED LOW HEAT TO LOW HEAT/FAN G-1019S079 NO REVISION TO DESIGN, MATERIAL, TOOLING, OR PROCESS IS ACCEPTABLE PRINTING INSTRUCTIONS: MAKE EXACTLY 01 WITHOUT PRIOR APPROVAL FROM RHEEM THROUGH AN AUTHORIZED CHANG 4-12-13 JIM 7.00 IN X 10.00 IN. WHITE BACKGROUND NOTICE, A REVISED ENGINEERING SPECIFICATION AND A RESAMPLING OF G-0003S420 REVISED WIRE FROM CT TO COM YELLOW WAS RED & WIRE FROM CT TO SEC RED WAS WITH BLACK PRINTING PARTS. THE SUPPLIER IS RESPONSIBLE FOR NOTIFYING RHEEM R & D AND 02 YELLOW. DIAGRAM REDRAWN ON ADOBE 01-13-16 PURCHASING DEPARTMENTS IN WRITING OF ANY CHANGES AFFECTING TEW PRODUCT QUALITY, PERFORMANCE, RELIABILITY, PACKAGING, DELIVERY OR MATERIAL: ADS-4574-02, PRESSURE WORKMANSHIP. "ANY DOCUMENTSREFERRED TO ON THIS DRAWING ARE SENSITIVE, ADHESIVE BACKED MATERIAL INCLUDED IN THE SPECIFICATIONS FOR THIS COMPONENT". = CHASIS GROUND CONTROL VOLTAGE LINE VOLTAGE = EARTH GROUND 4-PIN — CONNECTOR PL-7 TO CC THERMOSTAT RCYGW2W 000000 O LO ŔĊŸĠWŻŴ NEUTRAL IBM O M-LO М-ні <u>₩2</u> NEU СОМ NELL ⊃(EAC)⊃**-**0 O G CONNECTOR PL-8 EAC RR FR Ø GY GND HCR COOL 00 P2 CONNECTOR PL-2 (2) WS 70 WS PROBE **≪**O (RC)IBM TO P-2 ᄣ GND TO PS WS PROBE P4-2 TO HPC --- PR/W 0 NEUTRAL TO MRLC —R/G-155 SE () MRLC 2-PIN TO GVC PL-9 HUM DOD 120VAC TO LGV LC TO MGV --- BL -1 1 P1-1 TO FLMS-P1-2 GND HPC _TO LC P1-4 P1_3 ci <u>ww</u> POWER SUPPLY TO 115/1/60 NEUTRAL IN R/BK J BOX R/W R/G **P2**-1 OVERTEMP. SWITCHES 120VAC IN PBS 4 4 3 LGVR -W (OPTIONAL) - 5-PIN CONNECTOR 3 TO GND PL-1 TO P-1 LOW SPEED GND IDR COMPARTMENT 2-STAGE GAS VALVE CONNECTOR P3-2 HIGH SPEED P2-5 (LOW) MELITRAI TO IDM GND P2-4 R/BK IDM P2-6 HGVR CONNECTOR II RC -CHIGH) 3-PIN — CONNECTOR PL-10 (MAIN I IMI) BURNER BLOWER CONTROL) J - BOX PBS (BLOWER DOOR SWITCH) IN DOOR BRACKET TO P-4 - GY -TO WS < FLMS MAIN -TO WS - GY -SPARK IGNITER TO LPC --- PR/BK-VALVE _ 2 STAGE PSC GND — 3-PIN CONNECTOR TO LC --- R/W -**(** PL-3 GND TO FURNACE CABINET TO IDM IFC 90+ FLAME SENSOR TO P-3 TO IDM IGNITER VOLTAGE ON IFC GND TO IDM **WIRE COLOR CODE** WIRING INFORMATION **NOTES COMPONENT CODES** BK.....BLACK G......GREEN PR.....PURPLE LINE VOLTAGE BR.....BROWN GY.....GRAY R.....RED BLWR BLOWER RELAY IBM INDOOR BLOWER MOTOR PL PLUG -FACTORY STANDARD (1) REFER TO SPEC SHEET FOR ACTUAL ..BLUE O.....ORANGE W.....WHITE COMMON IDM INDUCED DRAFT MOTOR PS PRESSURE SWITCH -FACTORY OPTION FACTORY MOTOR TAP PLACEMENT OF Y.....YELLOW RC RUN CAPACITOR COOLING CONTACTOR **IDR** INDUCED DRAFT RELAY "HEAT" & "FAN" AS SOME MODELS -FIELD INSTALLED CT CONTROL TRANSFORMER **IFC** INTEGRATED FURNACE CONT. SE SPARK ELECTRODE **ELECTRICAL WIRING DIAGRAM** MAY BE DIFFERENT THAN SHOWN LOW VOLTAGE DISC DISCONNECT SWITCH LC LIMIT CONTROL TM THERMISTOR HERE. ALSO REFER TO SPEC. SHEET -FACTORY STANDARD -----EAC ELECT. AIR CLEANER OUTPUT LGV LOW GAS VALVE WS WATER SENSOR UPFLOW/DOWNFLOW - HORIZONTAL OF INSTALLATION MANUAL IF WIRING -FIELD INSTALLED FLMS FLAME SENSOR LPC LOW PRESSURE CONTROL WIRE NUT OF HEAT AND/OR COOL SPEEDS IS BLOWER INDUCED DRAFT FR FAN RELAY M MAIN TWO STAGE 90 PLUS PSC REPLACEMENT WIRE NOT DESIRABLE. FH FLISE MC MEMORY CARD -MUST BE THE SAME SIZE AND TYPE GAS FIRED, FORCED AIR FURNACE GND **GROUND** MGV MAIN GAS VALVE OF INSULATION AS ORIGINAL (105C. MIN.) (2) CONNECT UNUSED MOTOR LEADS TO GVC GAS VALVE COMMON MRLC MAN. RESET LIMIT CONTROL APPROVED: CHECKED: ORIGINAL RELEASE WARNING M1 AND/OR M2 -CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C., NATIONAL WIRING REGULATIONS, AND LOCAL GAS VALVE RELAY HALC NEU NEUTRAL MODELED HCR HEAT ASSISTED LIMIT CONTROL NPC NEGATIVE PRESSURE CONT. 3-21-13 G-1019S078 TEW 3 TWO OR THREE MRLC SWITCHES MAY HGV HIGH GAS VALVE **PBS** PUSH BUTTON SWITCH BE PRESENT DEPENDING ON MODEL. PART NO.: 90-104402-01 CODES AS APPLICABLE. REV: POWER FACTOR CHOKE HUMIDIFIER OUTPUT