WIRING DIAGRAM

FIELD WIRING LOW VOLTAGE

HIGH VOLTAGE

Diagnostic Description Green LED Red LED For 80+ and 90+ 2-Stage Fixed Speed Downflow Furnaces Control Fault (No Power) Off Off L1 / Neutral Polarity Fault Refer to the Installation Instructions This wiring diagram shows connections and If any of the original wire as supplied with the Flash Flash 1 Hour Lockout Alternating Flash furnace must be replaced, it must be replaced termination required for the blower kit only. provided with the kit for the proper Normal Operation On On with wiring material having a temperature Use in addition to the wiring diagram for the heating and cooling speeds for your Pressure Switch Closed Fault On Flash rating of at least 105° C. furnace. application. Pressure Switch Open Fault Flash On Use copper conductors only. **Open Limit Switch Fault** Flash Off Motor Fault On Off **Diagnostic Description** Yellow LED WHITE W/ BLK STRIPES WHITE Low Flame Sensor Signal Continuous Flash Flame Present On 120 V 24 V BLACK BLK W/ WHITE STRIPES ę RED RED Ē PART OF HIGH MOTOR LOW 20 RED PRESSURE PRESSURE SWITCH SWITCH BLACK ORANGE-TORQUE ORANGE WHITE W MOTOR 00000 W TX RX VIOLET VIOLET Ħ Ħ Ħ SPEED HP COMMON NONE PWM MODE Ħ 000000 TOCH TO α¤ @団 GREEN 12 Ø ര 8 (\mathfrak{g}) Ø GAS Ø VALVE -(4) ର୍ତ୍ତ 6 Ø ጠ 2 ദ BROWN YELLOW L 111111 FAN SPEED BROWN ğ 876543321 RED MOTOR CHOKE HEA $|\Theta \Theta \Theta \Theta|$ Π BLWR OFF DELAY YELLOW FLAME SENSOR (ON 3/4 AND 1HP MODELS ONLY) R C Y1 DEHUM TWIN BLACK 向向 BLUE BLACK WHITE 1 1 1 1 ٦. ٦, 7 <u>1</u>0000 SUPPLY FLAME VENT LIMIT AIR LIMIT ROLL-OUT (ON SELECT 1 1 YELLOW - YELLOW MODELS) ιUι - RED 2 2 -RED 3 3 BLACK -BLACK WHITE 4 4 WHITE - WHITE - ORANGE 5 5 ORANGE -BLACK BI AC BLUE -6 6 - BLUE WHITE BLUE DOOR 7 (NEUTRAL) BLACK BI ACK SWITCH BLACK 120V - - -WHITE WHITE GROUND -BLOWER BLOWER DECK BLOWER - GREEN -11-BLACK BLACK WHITE BLACK LIMIT LIMIT I IMIT INDUCER 5 7 ~~~~ IGNITOR BLUE 1 2 3 LEGEND: 1 2 3

