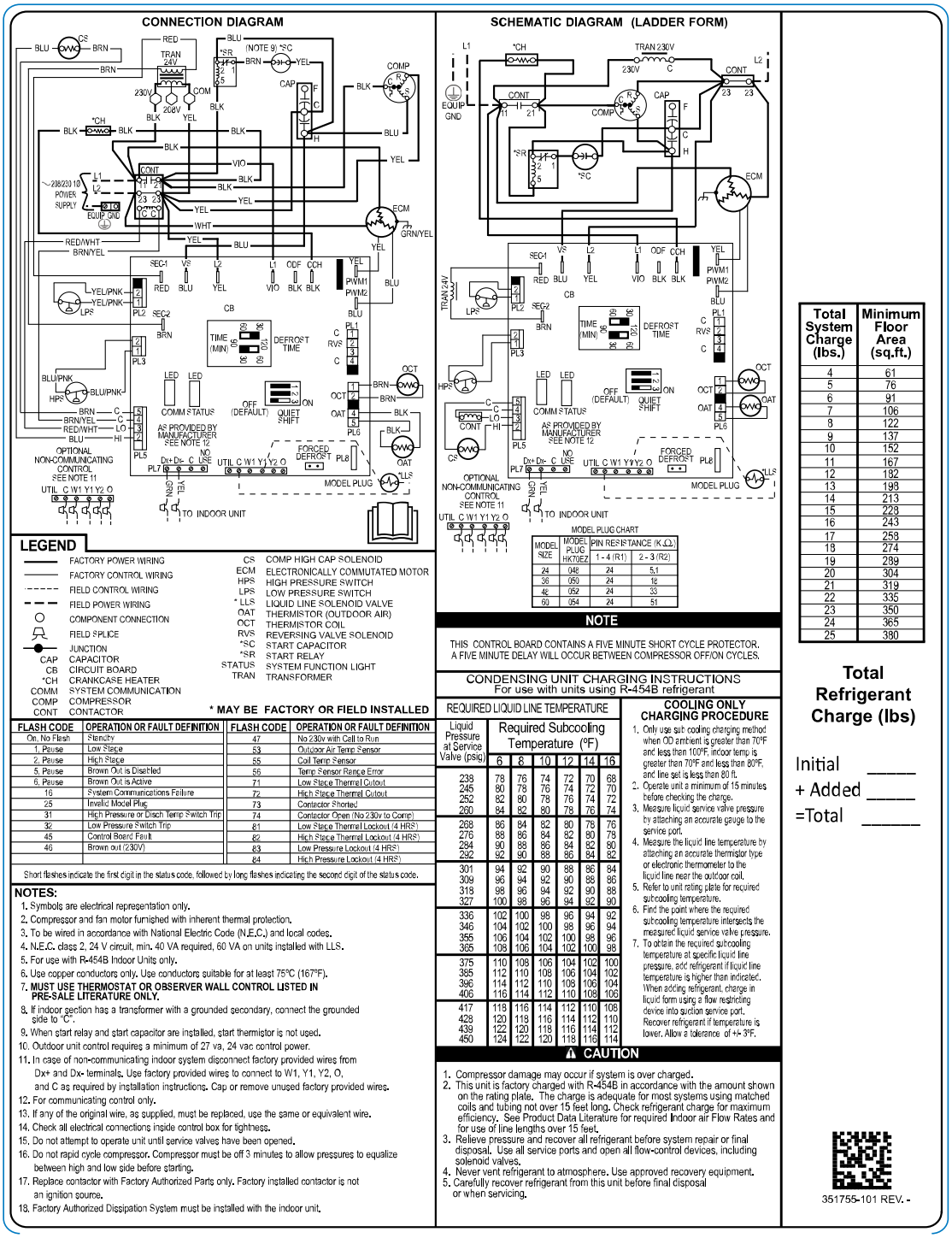
B5A8T
SPLIT-SYSTEM AIR CONDITIONERS WITH R-454B REFRIGERANT
2 To 5 Tons

Wiring Diagram



FLASH CODE	OPERATION OR FAULT DEFINITION	FLASH CODE	OPERATION OR FAULT DEFINITION
On, No Flash	Standby	47	No 230v with Call to Run
1, Pause	Low Stage	53	Outdoor Air Temp Sensor
2, Pause	High Stage	55	Coil Temp Sensor
5, Pause	Brown Out is Disabled	56	Temp Sensor Range Error
6, Pause	Brown Out is Active	71	Low Stage Thermal Cutout
16	System Communications Failure	72	High Stage Thermal Cutout
25	Invalid Model Plug	73	Contactor Shorted
31	High Pressure or Disch Temp Switch Trip	74	Contactor Open (No 230v to Comp)
32	Low Pressure Switch Trip	81	Low Stage Thermal Lockout (4 HRS)
45	Control Board Fault	82	High Stage Thermal Lockout (4 HRS)
46	Brown out (230V)	83	Low Pressure Lockout (4 HRS)
		84	High Pressure Lockout (4 HRS)

Short flashes indicate the first digit in the status code, followed by long flashes indicating the second digit of the status code.

NOTES:

1. Symbols are electrical representation only.
2. Compressor and fan motor furnished with inherent thermal protection.
3. To be wired in accordance with National Electric Code (N.E.C.) and local codes.
4. N.E.C. class 2, 24 V circuit, min. 40 VA required, 60 VA on units installed with LLS.
5. For use with R-454B Indoor Units only.
6. Use copper conductors only. Use conductors suitable for at least 75°C (167°F).
7. **MUST USE THERMOSTAT OR OBSERVER WALL CONTROL LISTED IN PRE-SALE LITERATURE ONLY.**
8. If indoor section has a transformer with a grounded secondary, connect the grounded side to "C".
9. When start relay and start capacitor are installed, start thermistor is not used.
10. Outdoor unit control requires a minimum of 27 va, 24 vac control power.
11. In case of non-communicating indoor system disconnect factory provided wires from Dx+ and Dx- terminals. Use factory provided wires to connect to W1, Y1, Y2, O, and C as required by installation instructions. Cap or remove unused factory provided wires.
12. For communicating control only.
13. If any of the original wire, as supplied, must be replaced, use the same or equivalent wire.
14. Check all electrical connections inside control box for tightness.
15. Do not attempt to operate unit until service valves have been opened.
16. Do not rapid cycle compressor. Compressor must be off 3 minutes to allow pressures to equalize between high and low side before starting.
17. Replace contactor with Factory Authorized Parts only. Factory installed contactor is not an ignition source.
18. Factory Authorized Dissipation System must be installed with the indoor unit.

Fig. 1 – Size 2 through 5 Tons

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