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Supersedes 2/2023

REMOTE DISCHARGE SENSOR KIT

INSTALLATION INSTRUCTIONS FOR REMOTE SENSOR KIT (603364-34; 21Z08) USED ON LG/LC/LH/LD UNITS

Shipping and Packing List

1– Sensor (RT6)
2– 22-foot lengths of wire
2– Screws

NOTE *– The remote sensor kit is available as a field kit or provided with the unit. When provided with the unit, the wire connections are factory-installed. The kit is located in the bottom of the compressor section on A, B, and C box units.*

Application

This kit is used to remotely install RT6 temperature sensor in discharge air ductwork. The remote RT6 is commonly used in Fresh Air Tempering (FAT) and Discharge Air Control (DAC) modes.

⚠WARNING

Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal in-jury or loss of life. Installation and service must be per-formed by a licensed professional HVAC installer or equivalent, service agency, or the gas supplier.

Install Sensor

1– Disconnect all power to unit

2– Open compressor or blower access panels.

3– *Sensor Provided in Unit* –

Locate sensor packaging in bottom of compressor section or control box. Disconnect sensor wiring at probe.

4– On systems with ductwork, position the sensor on the first branch off of the main duct. On systems with a ceiling diffuser, position the sensor in the ductwork close to the diffuser. See figure 1. Secure in place with screws provided.

Wiring – Factory-Installed

1– Run wiring which was disconnected from the sensor through bottom power entry and connect to sensor. Sensors are not polarized; either terminal may be used.

⚠WARNING

As with any mechanical equipment, contact with sharp sheet metal edges can result in personal in-jury. Take care while handling this equipment and wear gloves and protective clothing.

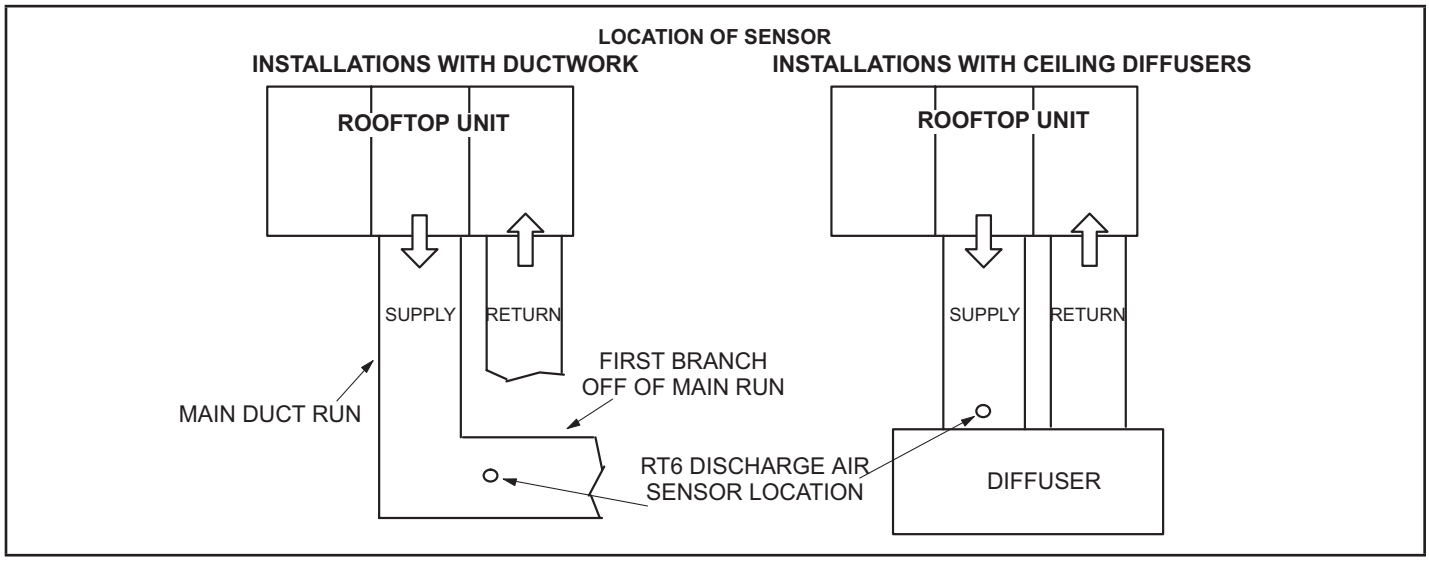


FIGURE 1

Wiring – Field-Installed

***NOTE** – Wiring may be spliced with a minimum 18 gauge wire not to exceed 25 feet (7.6m) total run.*

1– Connect plug on wires to Unit Controller jack J382-1 and 4. Refer to Unit Controller manual provided with unit.

2– Route wiring from Unit Controller through unit bottom power entry to the sensor (previously mounted in the supply duct). See appropriate FIGURE 2.

3– Connect wires to the sensor. Sensor is not polarized; either terminal may be used.

Enable Control Mode

Fresh Air Tempering and Discharge Air Control features must be enabled using the Unit Controller or optional software. Refer to the Unit Controller manual provided with the unit for more information.

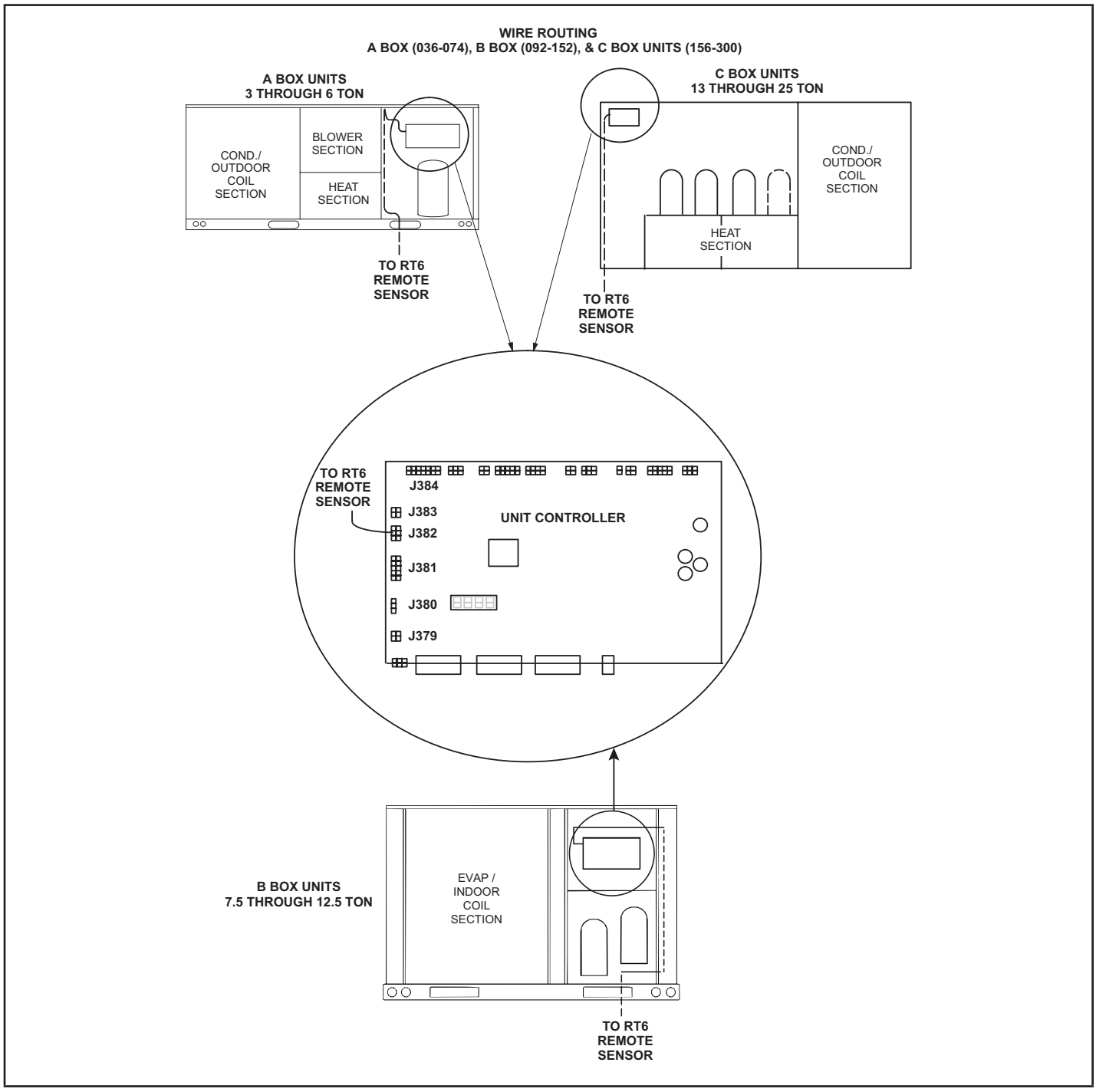


FIGURE 2