

GOODMAN SIDE DISCHARGE (SD) FAQ



1. How is this unit different from a standard model?

- a) The Goodman SD is a fully communicating inverter system that utilizes matched components both indoor and outdoor. See [GOODMAN SD OVERVIEW](#).

2. Will this work with any thermostat?

- a) No. The Goodman SD requires a proprietary communicating thermostat. See [GOODMAN GTST THERMOSTAT SPECS](#).

3. Does it wire differently from a standard unit?

- a) Yes. Due to the DC voltage on the communicating circuit, it is strongly recommended to use 18ga. stranded, shielded wire. However, 18ga. thermostat wire can be used if it is in good condition with no breaks or splices. If additional wires are available, doubling up for the communication circuit can further help avoid potential issues. *Use of wire smaller than 18ga. must be avoided. See [GOODMAN GTST WIRING](#).

4. Are there lineset restrictions?

- a) Yes. While there is a 100 linear foot *maximum* across all models and sizes, that number is lessened in some cases based on the diameter of the lineset. The same is true for *minimum* lineset lengths. Please refer to the appropriate chart in the Installation Manual for your specific application. See [GOODMAN SD IOM](#).

5. Can I just replace the outdoor unit?

- a) No. As this is a fully communicating system it must be an AHRI rated matchup. Matchups are available in the following configurations (ALL matchups require a Goodman communicating thermostat):
 - i) Heat Pump – Goodman SD communicating outdoor unit and Goodman communicating air handler required
 - ii) Dual Fuel - Goodman SD communicating outdoor unit, Goodman communicating EEV coil and Goodman communicating gas furnace required (*dual fuel with oil is NOT an option, **horizontal EEV coil is not yet available for heat pump operation)
 - iii) A/C – Goodman SD communicating outdoor unit and Goodman communicating air handler required

iv) A/C with Gas Furnace - Goodman SD communicating outdoor unit, Goodman communicating EEV coil and Goodman communicating gas furnace required
See [GOODMAN SD VALID CONFIGURATIONS](#).

6. Can I reuse the existing furnace?

a) Any furnace that can be operated with legacy inputs can be used with the Goodman SD **A/C only models** (Heat pumps **MUST** be fully communicating). To use an A/C with a non-communicating Gas or Oil Furnace you would need a Goodman communicating thermostat, Goodman SD communicating outdoor unit, Goodman communicating EEV coil, and a Goodman translation adaptor to operate the furnace (*ID fan operation is limited to the capabilities of the furnace). See [D24V GATEWAY ADAPTOR](#).

7. Can the system be zoned?

a) Yes. Zoning is possible up to 5 zones and is accomplished with the *EWC UT-3000 communicating zone panel* and Goodman communicating thermostats for each zone. See [EWC UT-3000 ZONE CONTROL BOARD](#).

8. Can I set the system up with the CoolCloud App on my phone?

a) No. While the Goodman SD is compatible with ComfortBridge furnaces, it is not ComfortBridge *controlled*. Therefore, the CoolCloud App is only used to update firmware on the furnace board and cannot be used for setup or troubleshooting. The AHVE single piece AHU and the MBVC blower module that can be matched with the Goodman SD are NOT ComfortBridge models and will not link to CoolCloud at all. See [FURNACE FIRMWARE UPDATE WITH COOLCLOUD](#).

9. Do I need any special tools to work on the system?

a) While not specifically needed, it is recommended that you have a “D-Checker” which is an analyzer that plugs into the OD unit and links wirelessly to a phone app. As it is a communicating inverter system there are many components this tool will read for you. It will work on most modern Goodman/Amana inverter units as well as Daikin mini/multi splits, Skyair, and VRV. See [DAIKIN D-CHECKER](#).

QUESTIONS?

For additional questions reach out to our Technical Support Team directly.

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