FAST-STAT 5000

1-800-775-4750



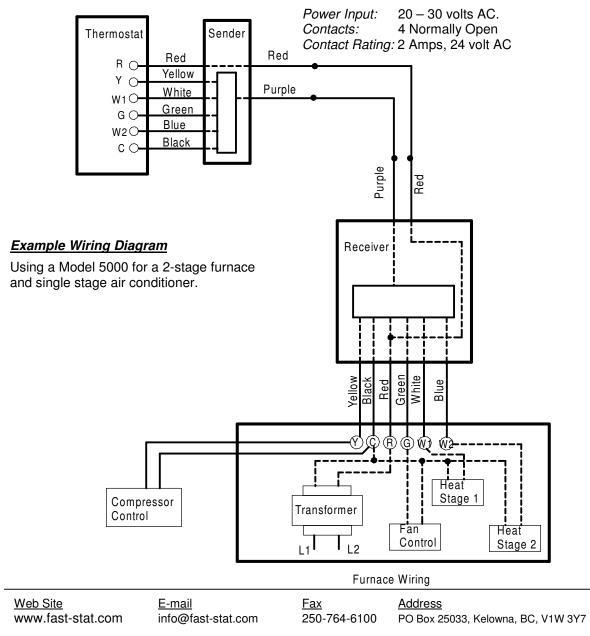
Product Description

The **FAST-STAT Model 5000** provides 6-wire control over 2-wire cable or 8-wire control over a 4-wire cable. With a 2-wire cable it can provide "R", "C", "W1", "W2", "G" & "Y". With a 4-wire cable it can provide "R", "C", "W1", "W2", "G" & "Y" + any other two functions such as "H", "D", "W2", "Y2" or "O/B".

Common Uses

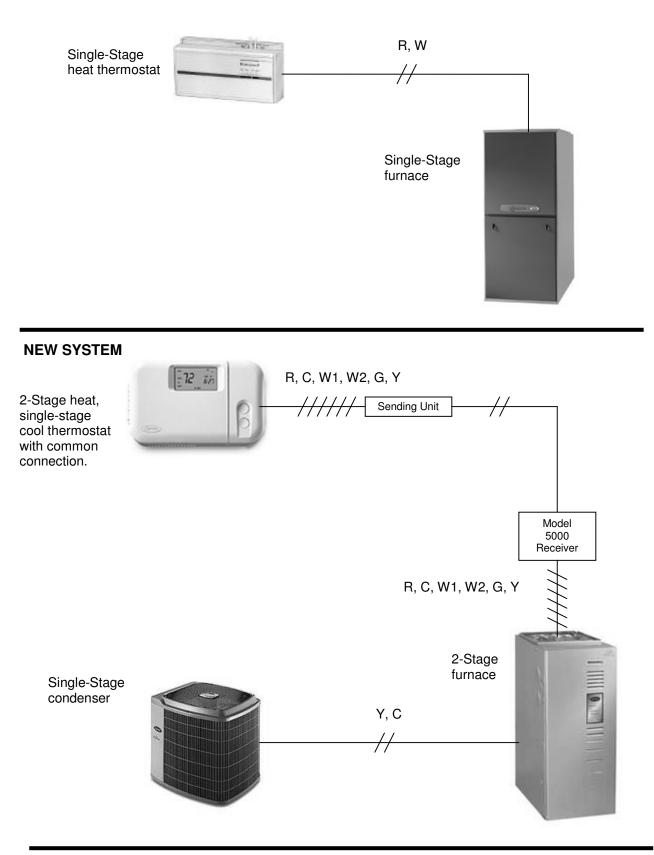
Adding air conditioning to a heating system or installation of a 2-stage furnace. Can also be used for heat pumps, 2stage heating or cooling when an existing 4-wire thermostat cable is present.

Ratings



EXAMPLE: **FAST-STAT** model 5000 used to add air conditioning and upgrade the furnace to 2-stage heat.

OLD SYSTEM



FAST-STAT Model 5000 Installation Instructions

Application

- 1. The model 5000 FAST-STAT is designed to reduce installation time when retrofitting 2-stage furnaces.
- 2. With a 2-wire thermostat cable it can provide 2-stage heating and single stage cooling control. With a 4-wire thermostat cable it can be used for a wide range of applications including heat pumps.

Before installing this product

- 1. Read instructions. If you have any questions please contact tech support line at the number listed below.
- 2. This product is designed for use only on 24 volt ac circuits supplied by a class 2 transformer.
- 3. This product is only to be installed by qualified technicians.
- 4. To avoid risk of electrical shock or equipment damage disconnect power before beginning installation.

Operational Considerations

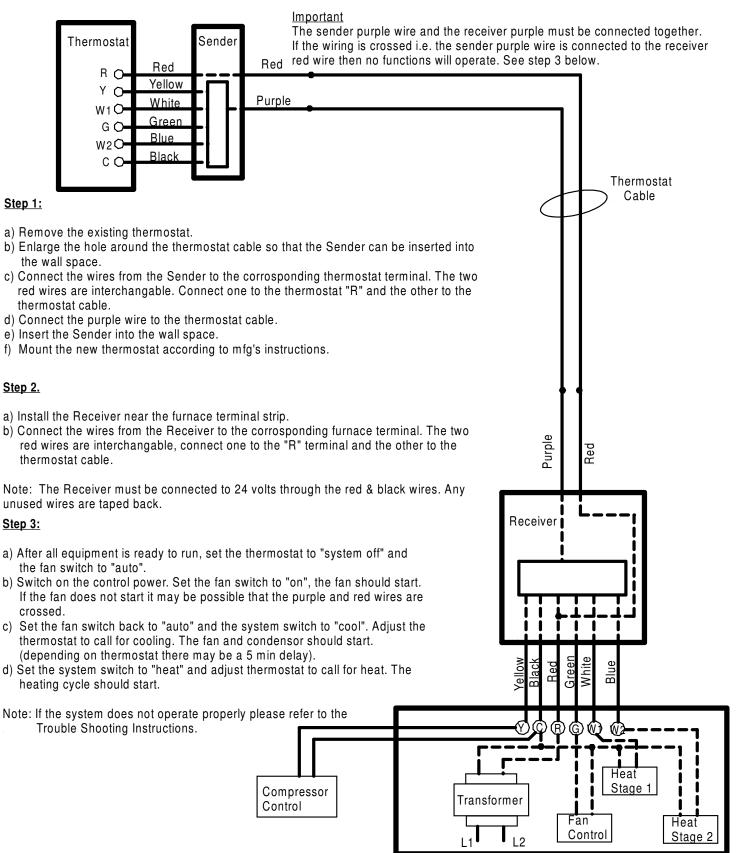
- 1. A call for Compressor (Y) will always switch on Fan (G). A call for heat (W1 and/or W2) will cause Compressor (Y) and Fan (G) to shut off. A call for second stage heat (W2) will always switch on first stage heat (W1). This is the same sequence of operation as most thermostats. This information is provided for reference when using the model 5000 in other applications such as heat pumps.
- 2. The common connection provided by the sending unit for the thermostat may not be compatible with all thermostats that require a "C" connection. If this problem is encountered, a wire (if available) may be connected to the thermostat "C" terminal and the furnace / fan coil common terminal. Remove and tape back the sending unit black wire when doing this.
- 3. The power supply must be between 21 to 28 volts for correct operation. The total connected load must not exceed 2 amps.

Terminal Designation	Description	Comment	Color
R	Transformer Power	Included & must be connected	Red
с	Transformer Common	Included & must be connected at Receiver	Black
Y - Y1	Compressor Stage 1	Included	Yellow
Y2	Compressor Stage 2	Requires additional thermostat cable conductor	not defined
G	Fan	Included	Green
.W 1	1st Stage Heat	Included	White
W2	2nd Stage Heat	Included	Blue
O/B	Reversing Valve	Requires additional thermostat cable conductor	Not Defined

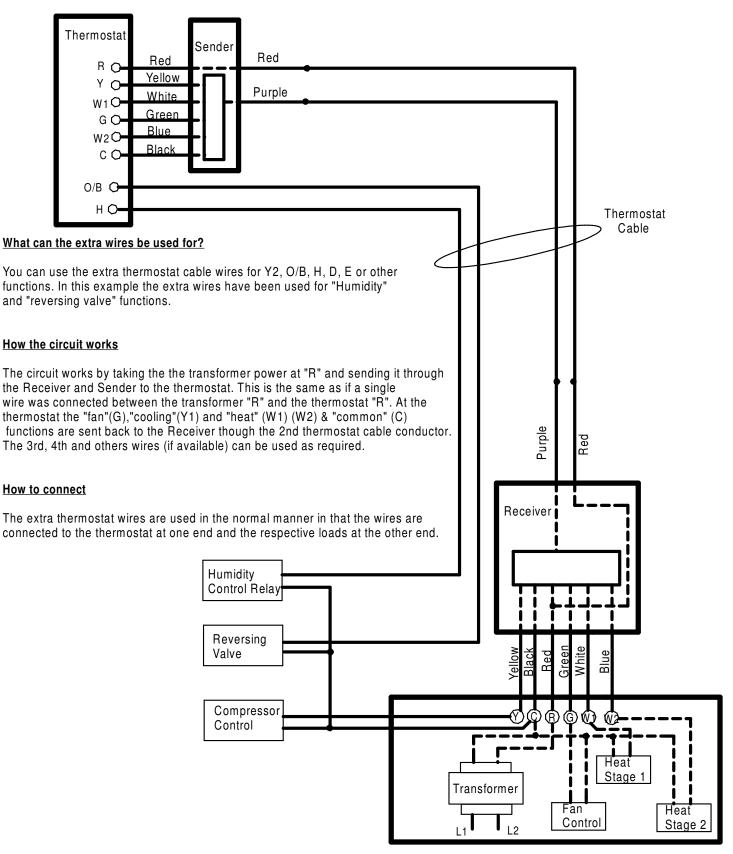
Table 1. Terminal designation descriptions

Tech Support: 1-800-775-4750

Model 5000 Typical Installation when used with 2-wire thermostat cable.

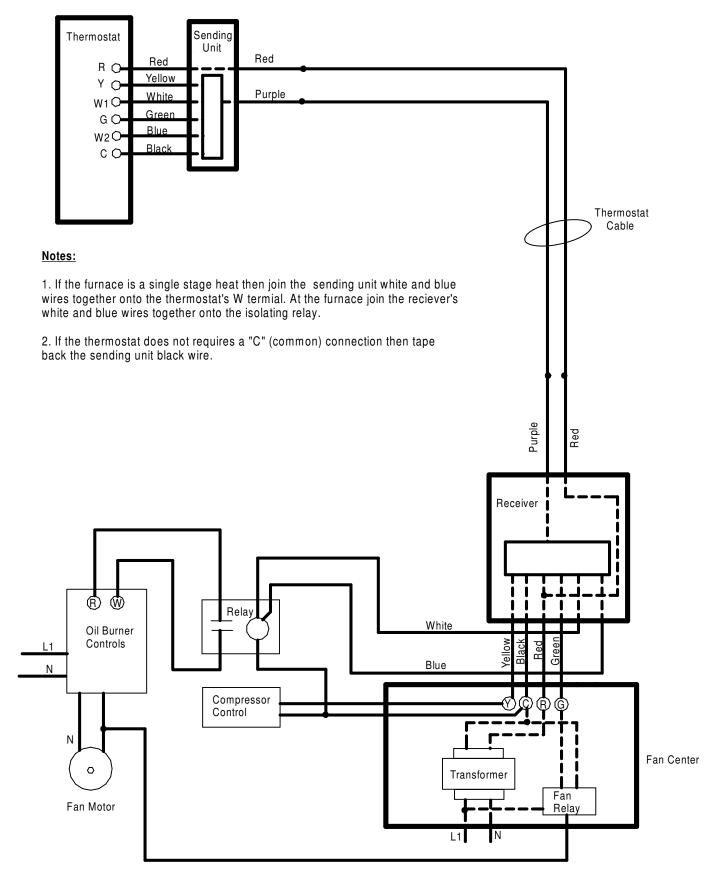


Using a Model 5000 with a thermostat cable that has more than 2 conductors.



Furnace Wiring

Using a Model 5000 with 2 conductors and an oil furnace.



FAST-STAT Trouble Shooting Instructions

