FAST-STAT 3000



<u>Ratings</u>

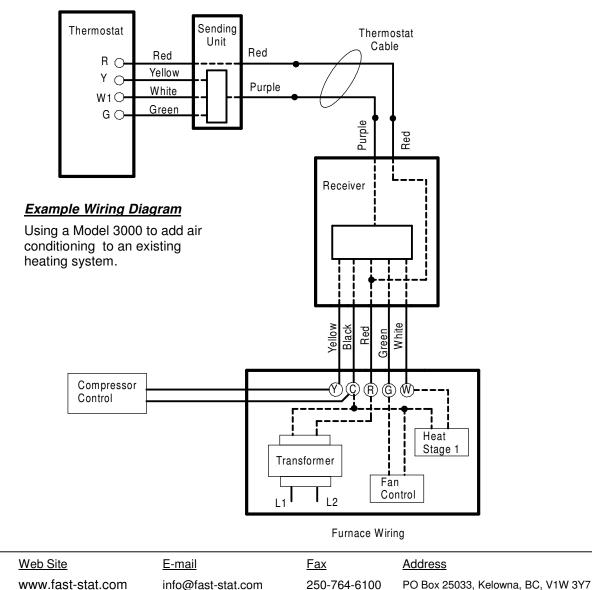
Power Input:20 – 30 volts AC.Contacts:3 Normally OpenContact Rating:2 Amps, 24 volt AC

Product Description

The **FAST-STAT Model 3000** provides 4-wire control over 2-wire cable or 6-wire control over a 4-wire cable. With a 2-wire cable it can provide "R", "W", "G" & "Y". With a 4-wire cable it can provide "R", "W", "Y", "G" + any two of "C", "D", "W2", "Y2" or "O/B".

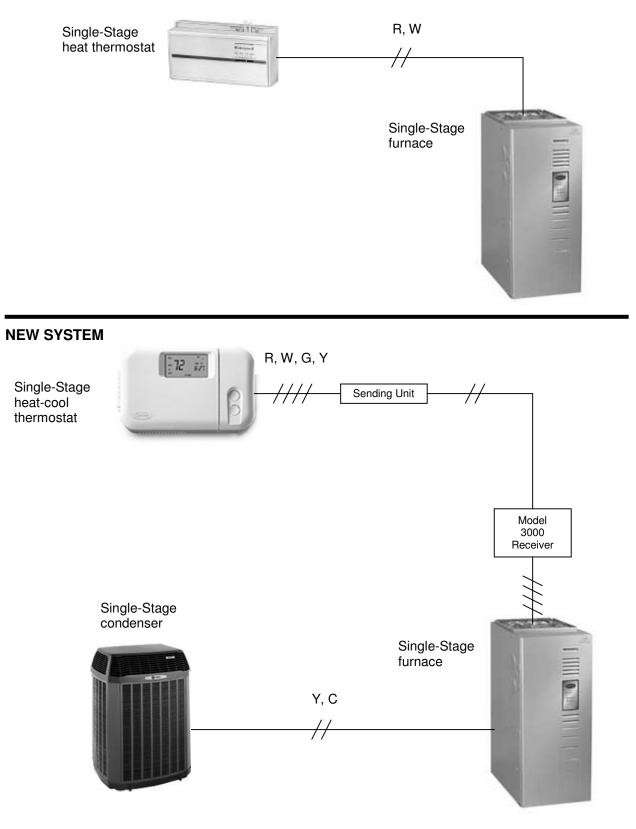
Common Uses

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



EXAMPLE: FAST-STAT model 3000 used to add air conditioning.

OLD SYSTEM



FAST-STAT Model 3000 Installation Overview

Application

- 1. The model 3000 FAST-STAT is a multipurpose controller designed to reduce installation time when adding or retrofitting HVAC equipment.
- 2. With a 2-wire thermostat cable it can provide R, W, Y & G. 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

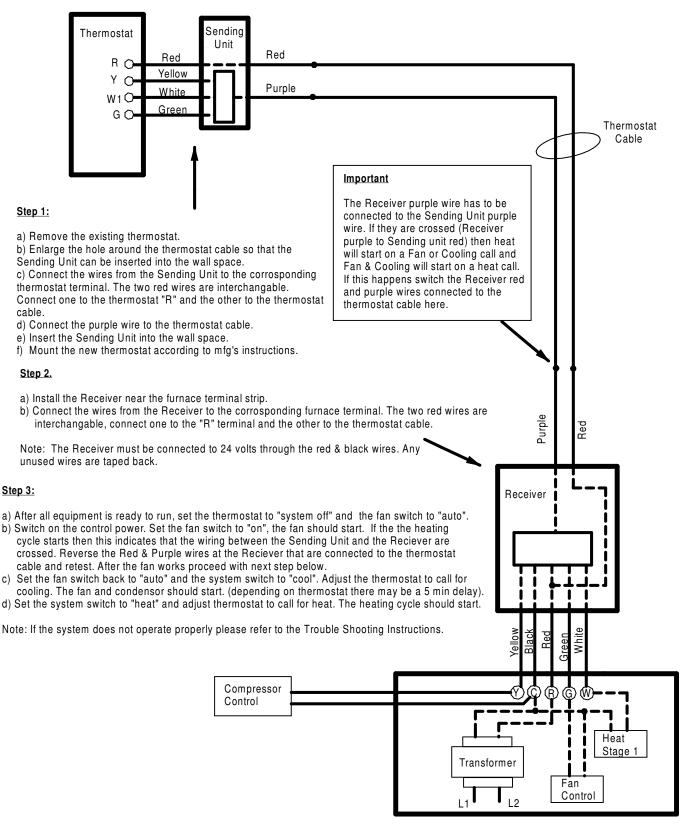
- 1. A call for Compressor (Y) will always switch on Fan (G). The white channel (W) is independent of the Yellow and Green channels. This information is provided for reference when using the model 3000 in other applications such as heat pumps.
- 2. The power supply must be between 20 to 30 volts for 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 | Requires additional thermostat cable conductor | Not Defined |
| O/B | Reversing Valve | Requires additional thermostat cable conductor | Not Defined |

Table 1. Terminal designation descriptions

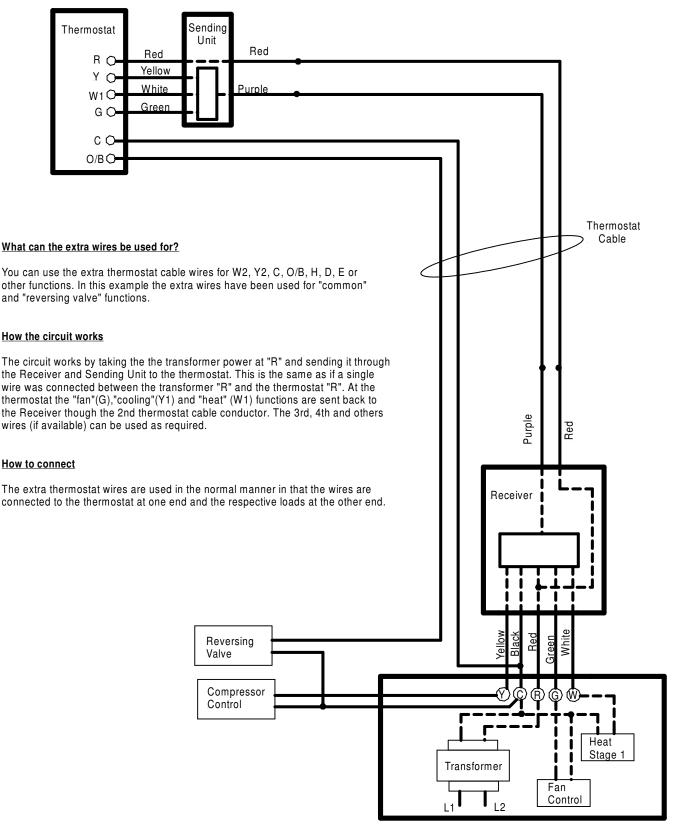
Tech Support: 1-800-775-4750

Model 3000 Typical Installation when used with 2-wire thermostat cable.



Furnace Wiring

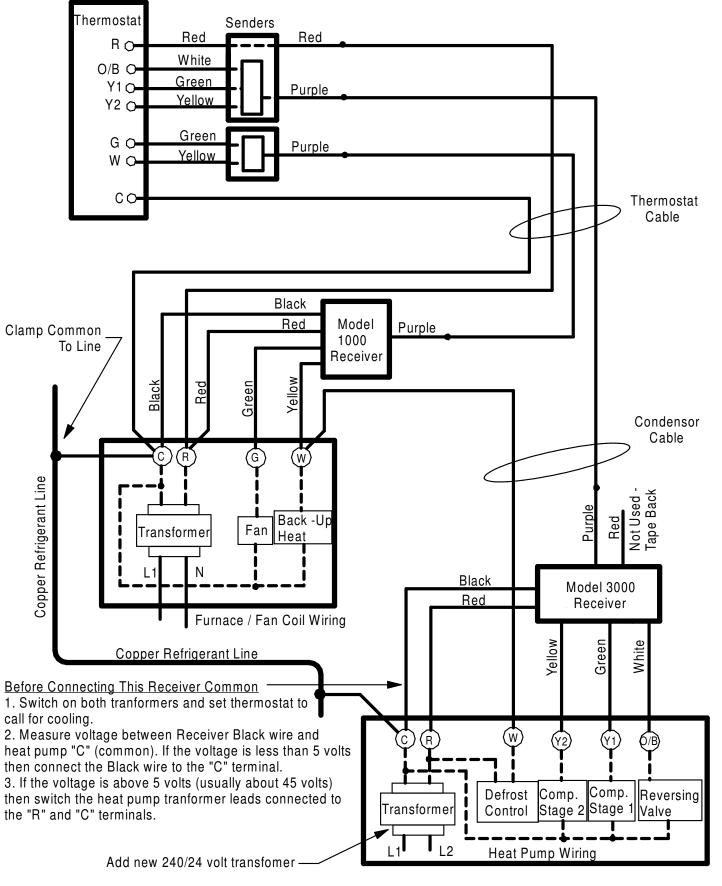
Using a Model 3000 with a thermostat cable that has more than 2 conductors.



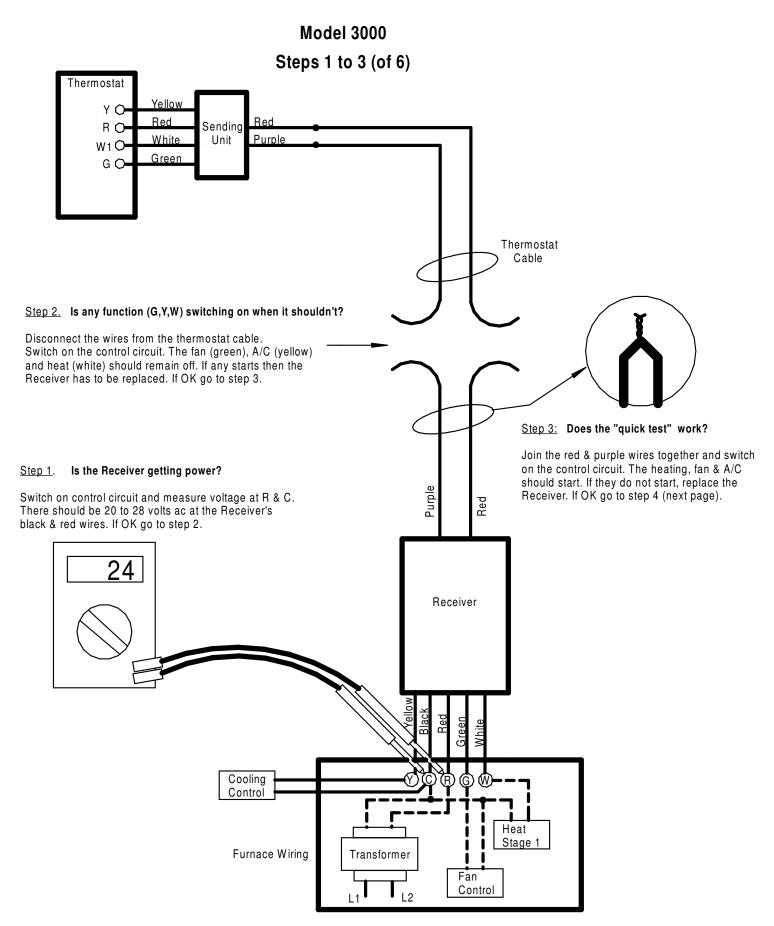
Furnace Wiring



Single or 2-Stage Heat Pump using 1 - Model 3000 and 1 - Model 1000



FAST-STAT Trouble Shooting Instructions



FAST-STAT Trouble Shooting Instructions

Steps 4 to 6 (of 6)

