## FAST-STAT Model 7000 Installation Instructions

## **Application**

- 1. The model 7000 FAST-STAT is designed to reduce installation time when retrofitting heat pumps.
- 2. With a 2-wire thermostat cable it can provide single-stage heating and cooling control. With a 3-wire thermostat cable it can provide 2-stage heating and cooling control. Addition functions can be added dependent upon the number of thermostat cable conductors (see wiring diagrams).

## 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**

- The FAST-STAT model 7000 has time delays for fan, compressor and reversing valve. The time delay will be between 15 seconds and 3 minutes depending on mode of operation. When testing system please allow for time delays.
- 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.

Table 1. Terminal designation descriptions

Description	Comment	Color
Transformer Power	Included & must be connected	Red
Transformer Common	Included & must be connected at Receiver	Black
Compressor Stage 1	Included	Yellow
Compressor Stage 2	Requires additional thermostat cable conductor	not defined
Fan	Included	Green
Heat	Additional relay required for supplemental electric heat	White
Emergency Heat	Requires additional thermostat cable conductor	not defined
Reversing Valve	Included	Blue
	Transformer Power  Transformer Common  Compressor Stage 1  Compressor Stage 2  Fan  Heat  Emergency Heat	Transformer Power Included & must be connected  Transformer Common Included & must be connected at Receiver  Compressor Stage 1 Included  Compressor Stage 2 Requires additional thermostat cable conductor  Fan Included  Heat Additional relay required for supplemental electric heat  Emergency Heat Requires additional thermostat cable conductor

Tech Support: 1-800-775-4750