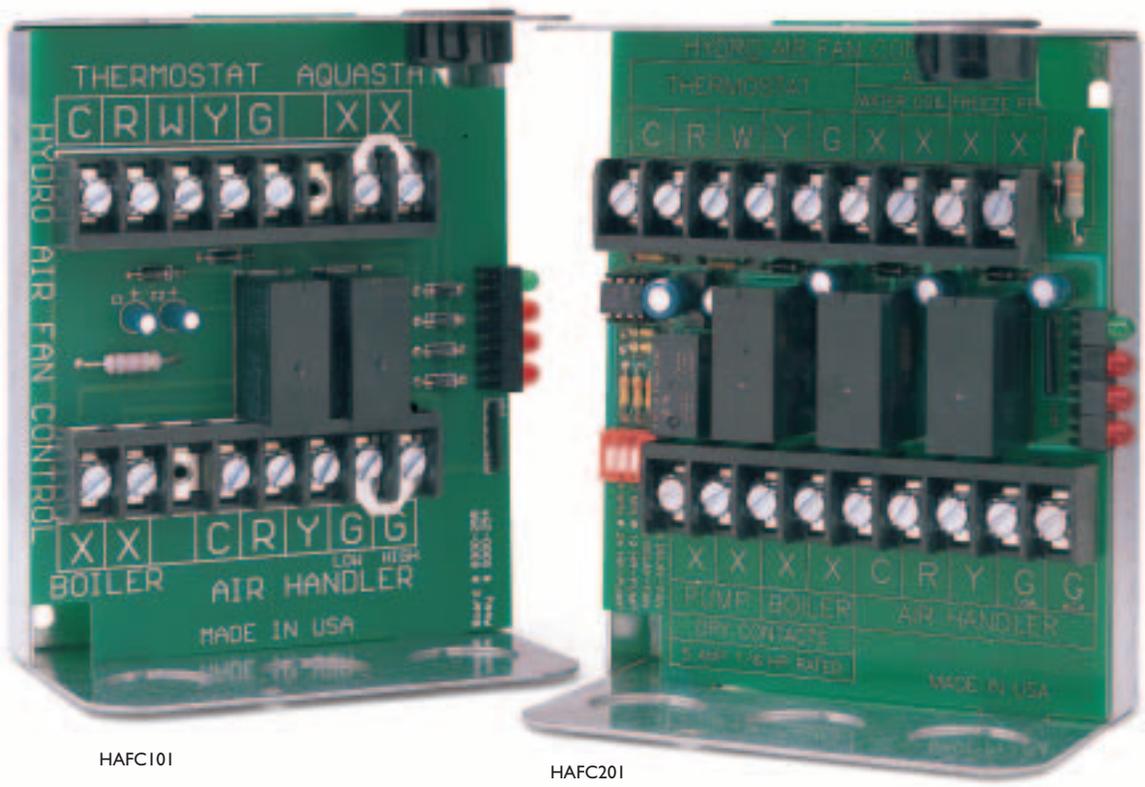


### Hydro Air Fan Control

Taco Hydro Air Fan Controls are the ideal interface between the thermostat and air handler. The Fan Controls provide advance diagnostic capabilities, universal thermostat compatibility, a simplified wiring layout, and automatic multi-speed switching while increasing year round comfort and operating efficiency.



HAFC101

HAFC201

HYDRONIC COMPONENTS & SYSTEMS



The Hydro Air Fan Control is an interface between the thermostat and air handler. It also has an isolated end switch to start the boiler and/or pump. When the thermostat calls for heat, the Fan Control energizes the end switch relay and allows the fan to operate at low speed when the water is above the optional aquastat setting. When the thermostat calls for cooling, the Fan Control energizes the condenser and operates on high speed. The HAF201 also includes three built-in fan time delay options, two selectable pump exercise modes, a secondary aquastat connection for freeze protection and the ability to switch a pump and / or boiler.

## Features

- External Indicator Lights
- Works with 1 or 2 Speed Air Handlers
- 100% Factory Tested
- Automatic Multi-Speed Switching
- Snap-in PC Board
- Prevents False Calls for Fan Operation
- Simplified Wiring
- Universal Thermostat Compatibility
- Contractor Friendly PC Board Layout
- Increased Operating Efficiency
- Extended 3 Year Warranty
- Made in the USA

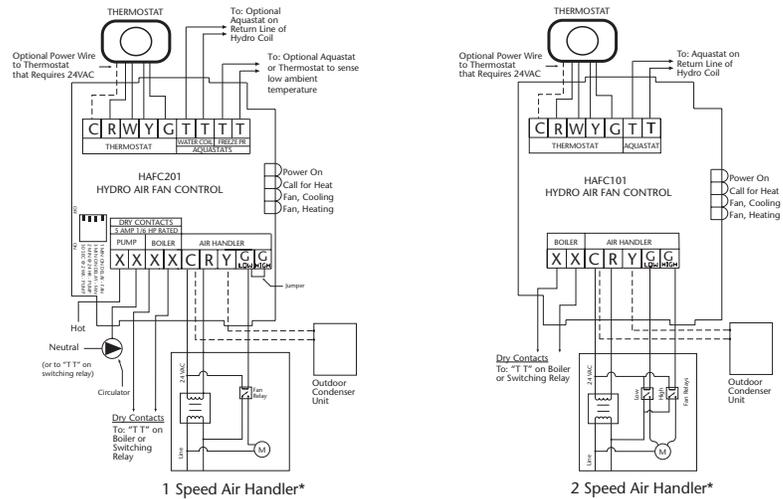
## Additional Features of HAF201

- Built-in Time Delays
- Separate Contacts for Pump & Boiler
- Pump Exercise Timer
- Additional Aquastat Connection for Freeze Protection

## External Diagnostics

The external lights show full functionality of the Hydro Air Fan Control. The green light should always be on indicating that power is connected. Red lights indicate fan operation for heating and cooling modes.

## Wiring Diagram for 1 & 2 Speed Motors



\* Both HAF101 and 201 capable of 1 and 2 speed applications.

## Terminal Description

- THERMOSTAT**
- C Optional: Common side of transformer to power some styles of thermostats
  - R Red - Side of transformer used to switch all functions
  - Y Yellow - Condenser signal
  - W White - Heating signal
  - G Green - Fan Signal
- WATER COIL AQUASTAT**
- TT Remove factory installed jumper and connect to aquastat at air handler to control operation of the fan when in the heating mode.
- FREEZE PROTECTION AQUASTAT**
- TT Connect to aquastat or thermostat to sense low ambient temperature. Reduces the chance of pipes freezing by energizing the pump dry contacts.
- PUMP DRY CONTACTS**
- XX May switch pump directly by bringing in external line voltage or connect to "TT" on switching relay.
- BOILER DRY CONTACTS**
- XX Connects to the boiler or "TT" terminals on a switching relay.

## Specifications

Product Number	Number of Zones	Power Input Voltage	Relay Type	Thermostat Current	Single Phase Motor Rating (Relay)	Dimensions of Enclosure Width Height Depth
HAF101**	1 Zone	24 VAC Input	DPDT	.18	1/6 HP(5A) @120 VAC	4 1/4" 5 3/4" 2 3/4"
HAF201	1 Zone	24 VAC Input	DPDT	.18	1/6 HP(5A) @120 VAC	4 1/4" 5 3/4" 2 3/4"

\*\* Model number changed from SR501-F

## AIR HANDLER

- C Common side of transformer to power the Fan Control
  - R Red - Side of transformer used to switch all functions
  - Y Yellow - Condenser signal
- One Speed Motor**
- G<sub>low</sub> Connect the fan to the relay. Keep the jumper installed between G<sub>high</sub> and G<sub>low</sub>.
- Two Speed Motor**
- G<sub>high</sub> Remove jumper and connect G<sub>high</sub> to the high speed fan relay and connect G<sub>low</sub> to low speed fan relay.

## Switch Settings (HAF201)

- 1 1 minute on fan delay, in heating mode.
- 2 3 minute on fan delay, in heating mode.
- 1&2 4 minute on fan delay, in heating mode.
- 3 Pump dry contact activated for 2 minutes every 24 hours (boiler contracts not activated).
- 4 Pump dry contacts activated for 30 seconds every two weeks (boiler contracts not activated).

## HYDRONIC COMPONENTS & SYSTEMS

