hydro flame™

Model 2H2C
Two Stage Furnace
Digital Thermostat

Atwood®

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PHONE: 574•264•2131 **FAX**: 574•206•9713
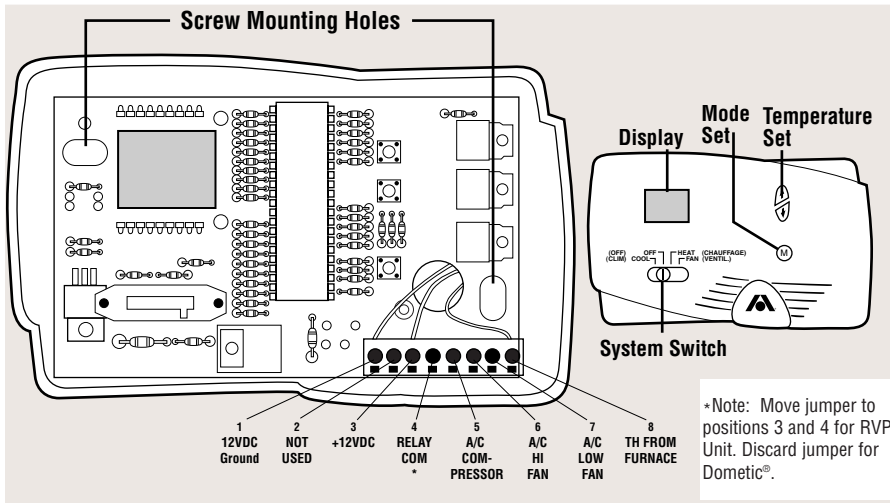**INTERNET:** http://www.atwoodmobile.com

FOR TWO STAGE FURNACE

ENGLISH, FRANCAIS (et Canada)

•**Installation** •**Operation**
Effective 1/08

THIS THERMOSTAT HAS BEEN DESIGNED TO OPERATE STANDARD AIR CONDITIONING UNITS IN CONJUNCTION WITH AN EXCALIBUR 2-STAGE FURNACE.

Screw Mounting Holes

Display **Mode Set** **Temperature Set**

System Switch

| 1 12VDC Ground | 2 NOT USED | 3 +12VDC | 4 RELAY COM * | 5 A/C COM-PRESSOR | 6 A/C HI FAN | 7 A/C LOW FAN | 8 TH FROM FURNACE |

*Note: Move jumper to positions 3 and 4 for RVP Unit. Discard jumper for Dometic®.

THERMOSTAT INSTALLATION

Thermostat is very sensitive. HANDLE WITH CARE AT ALL TIMES.

Locate thermostat 48″ to 54″ above floor on an INTERIOR wall. Pick a dry area where air circulation is good. EXTERIOR wall location must have a 3/4″ spacer between thermostat and exterior wall.

1. Be sure all electrical power has been disconnected from the air conditioner, furnace and the power supply.

2. Do not install the thermostat where there are unusual heating conditions: such as direct sunlight, heat producing appliances (television, radio, wall lamp, etc.) or a furnace or air conditioner supply register.

3. ATTACHING THE WALL THERMOSTAT. Separate the thermostat body from the sub-base by gently squeezing the top and bottom. Pull wires through access hole in base plate. Attach thermostat sub-base to the wall at the desired mounting location. Mount the sub-base to the wall before connecting the wires.

System Slide Switch				SCROLL ORDER OF DISPLAYED MODES					OPERATION
LEFT		RIGHT							
COOL	OFF	**HEAT**	FAN	Scroll Order of Displayed Modes					**Furnace Operation**
		•		AU					Furnace automatically switches between high and low BTU valve and high and low speed fan when cycling to satisfy set point.
		•			HI				Furnace high BTU valve and high speed furnace fan cycle to satisfy set point.
		•				LO			Furnace low BTU valve and low speed furnace fan cycle to satisfy set point.
		•					HF		Furnace fan runs at high speed to circulate air. Air conditioner fan does not run.
		•						LF	Furnace fan runs at low speed to circulate air. Air conditioner fan does not run.
COOL	OFF	HEAT	FAN	Scroll Order of Displayed Modes					**Air Conditioner Operation**
•				AU					Air conditioner automatically switches compressor and high and low speed fan when cycling to satisfy set point.
•					HI				Air conditioner compressor and high speed fan operate to satisfy set point.
•						LO			Air conditioner compressor and low speed fan operate to satisfy set point.
•							HF		Air conditioner fan runs at high speed to circulate air. Furnace fan does not run.
•								LF	Air conditioner fan runs at low speed to circulate air. Furnace fan does not run.
COOL	OFF	HEAT	**FAN**	Scroll Order of Displayed Modes					**Fan Operation**
			•		HI				Air conditioner fan and furnace fan run at high speed to circulate air.
			•			LO			Air conditioner fan and furnace fan run at low speed to circulate air.
COOL	**OFF**	HEAT	FAN	Scroll Order of Displayed Modes					**Off**
	•			OF					No operation occurs.

Specifications

Operating Voltage .... 9VDC to 18VDC
Power Consumption 100mA
Operating Temperature .... -40F to +185F

Room Temperature Range .... +55F to +90F
Room Temperature Display Range .. +35F to +99F
Thermostat Accuracy .... +/- 1F

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