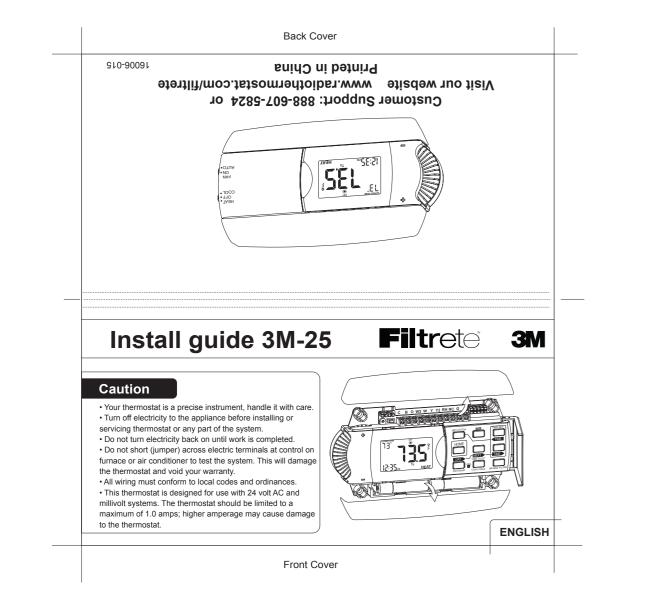
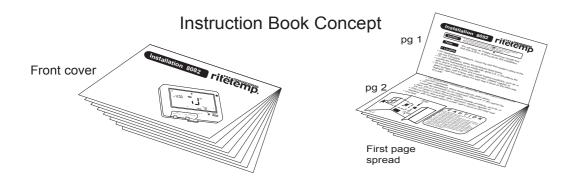
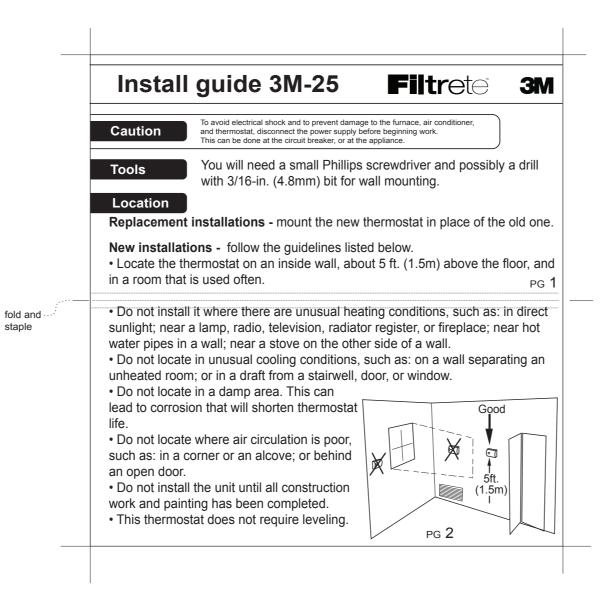
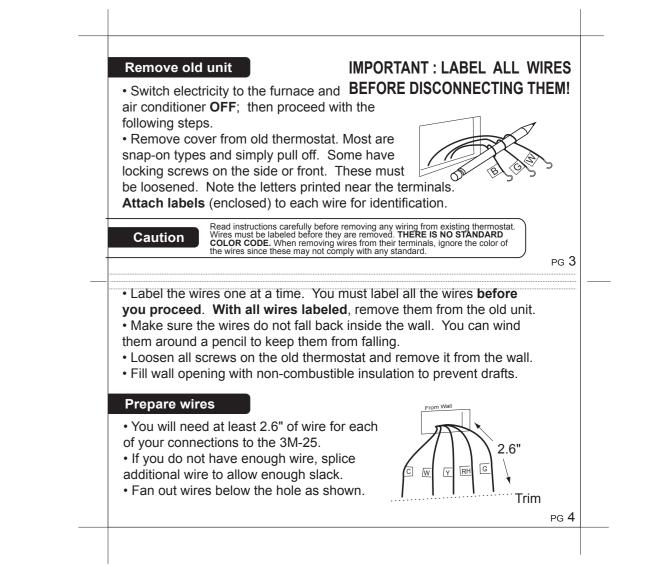
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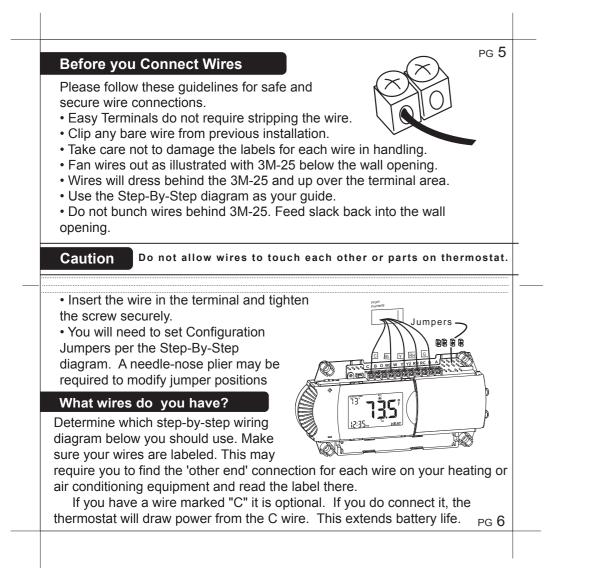
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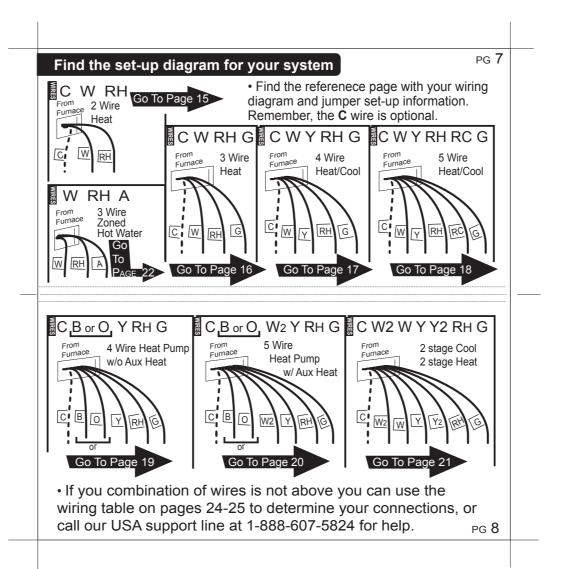


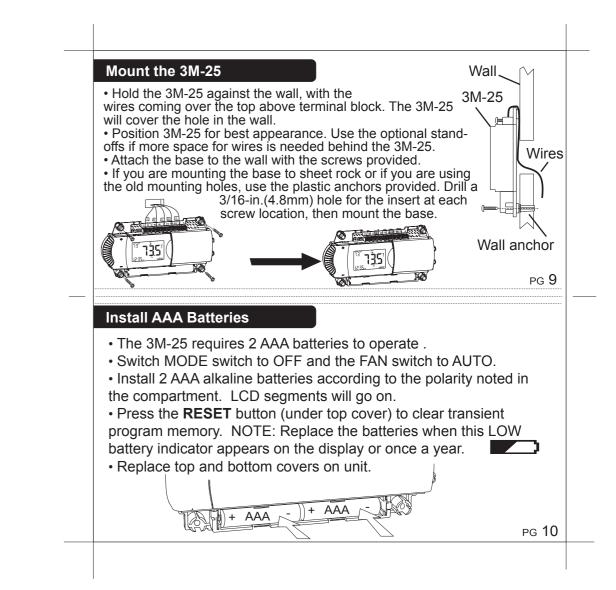


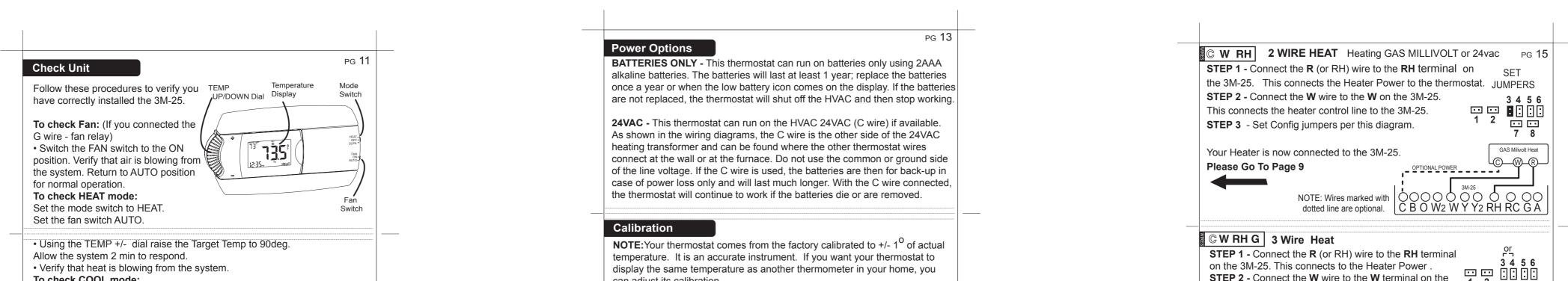












To check COOL mode:
Set the mode switch to COOL.
Using the TEMP +/- dial, set a temp 5 degrees below the room temp. Allow the system 2 minutes to respond.
Verify that cool air is blowing from the system.
Congratulations, you have successfully installed your unit. Please proceed to the OPERATING Guide to initialize the 3M-25.
NOTE: If you have labeled your wires, follow the correct Step-By-Step, and these Check procedures do not operate your system call support at 1-888-607-5824

can adjust its calibration. To change the calibration: Set the Mode switch to HEAT or COOL. Locate the TIME SET button and press it. The current calibration factor (+/-) of the 3M-25 will appear in the LCD display as well as the modified temp. DAY Push the UP or DOWN arrows until the desired calibration factor is reached. Calibrate button Press HOME to save. The new calibrated temperature will be displayed on the LCD. PG 14

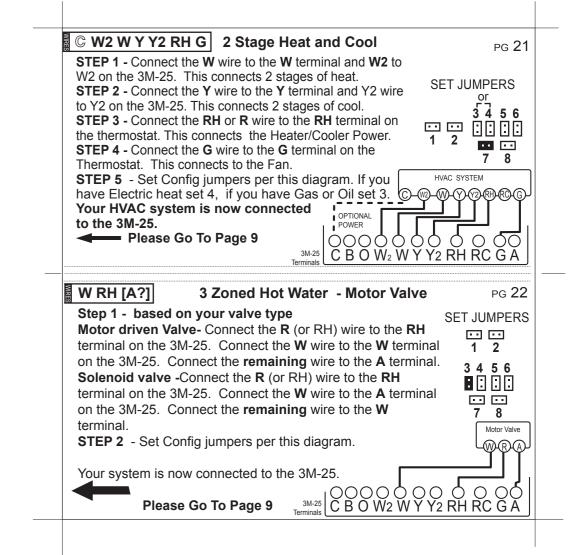
STEP 2 - Connect the W wire to the W terminal on the 3M-25. This connects the heater control line to the 3M-25.12112111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111<	
<b>STEP 4</b> - Set Config jumpers per this diagram. If you have Electric heat set 4, if you have Gas or Oil set 3.	
Your system is now connected to the 3M-25. Please Go To Page 9 PG 16 PG 16 PG 16	
	1

	PG II
<ul> <li>STEP 1 - Connect the W wire to the W terminal on the thermostat. This connects to the heater control line.</li> <li>STEP 2 - Connect the Y wire to the Y terminal on the 3M-25. This connects to the Cooler compressor.</li> <li>STEP 3 - Connect the RH or R wire to the RH terminal on the thermostat. This connects the Heater/Cooler Power.</li> <li>STEP 4 - Connect the G wire to the G terminal on the Thermostat. This connects to the Fan.</li> <li>STEP 5 - Set Config jumpers per this diagram. If you have Electric heat set 4, if you have Gas or Oil set 3.</li> <li>Your HVAC system is now connected to the 3M-25.</li> <li>✓ Please Go To Page 9</li> </ul>	SET JUMPERS or 3 4 5 6 1 2 7 8 HVAC SYSTEM CM YRG Y2 RH RC G A
<b>C</b> WYRHRCG <b>5</b> Wire Heat/Cool <b>STEP 1 -</b> Connect the W wire to the W terminal on the thermostat. This connects to the heater control line.	PG 18 SET JUMPERS
<ul> <li>STEP 2 - Connect the Y wire to the Y terminal on the 3M-25. This connects to the Cooler compressor.</li> <li>STEP 3 - Connect the RH wire to the RH terminal and the RC wire to the RC terminal on the 3M-25. This connects the Heater and Cooler Power.</li> </ul>	3 4 5 6 3 4 5 6 1 2
<ul> <li>STEP 4 - Connect the G wire to the G terminal on the Thermostat. This connects to the Fan.</li> <li>STEP 5 - Set Config jumpers per this diagram. If you have Electric heat set 4, if you have Gas or Oil set 3.</li> </ul>	
Your HVAC system is now connected to the 3M-25. → Please Go To Page 9 3M-25 Terminals	

PG 17

**G W Y RH G** 4 Wire Heat/Cool

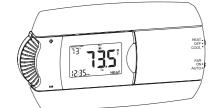
**G** B or O Y R G 4 Wire Heat Pump w/o Aux pg 19 STEP 1 - Connect O wire to the O terminal or B wire to the B terminal on the 3M-25. (If you have both O and B - connect O wire to O terminal DO NOT connect B to B terminal - see pg 24 Trane for B wire terminal) This connects the change-over valve. 3456 **STEP 2 -** Connect the **Y** wire to **Y** on the 3M-25. This connects the Compressor. SET 1 2 STEP 3 - Connect the **R** wire to **RH** on the JUMPERS 7 8 3M-25. This connects to the 24vac power. **STEP 4** - Connect the **G** wire to the **G** terminal on the HEAT PUMP SYSTEM 3M-25. This connects the Fan. ĩoŗ Your HVAC system is now connected - or-to the 3M-25. Please Go To Page 9 <sup>3M-25</sup> Terminals C B O W2 W Y Y2 RH RC G A C B or O W2 Y RH G pg **20** 5 Wire Heat Pump w/ Aux Heat **STEP 1** - Connect **O** wire to the **O** terminal or **B** wire to the **B** terminal on the 3M-25. (If you have *both* **O** and **B** -connect **O** wire to **O** terminal DO NOT connect **B** to **B** terminal - see pg 24 Trane for **B** wire terminal) STEP 2 - Connect the W2 wire to W2 on the 3M-25. 3456 **STEP 3 -** Connect the **Y** wire to **Y** on the 3M-25. STEP 3 - Connect the R wire to RH on the 3M-25. SET 1 2 STEP 5 - Connect the G wire to G on the 3M-25. STEP 6 - Set Config jumpers per this diagram. Set jumper 8 if you have Gas or Oil aux heat. HEAT PUMP SYSTEM Your HVAC system is now connected to the 3M-25. 3M-25 Terminals Please Go To Page 9



## 3M-25 Features

This thermostat can be used with all millivolt and 24VAC heating and cooling systems. It cannot be used with line voltage systems. This thermostat is digital and your desired heat or cool temperatures can easily be set on the large screen with the +/- buttons on the front. A minimum 4 minute off time protects heating and cooling systems from damage. This thermostat uses a new technique called sequential staging for more comfort with

faster reaction to requested temperature changes.



called sequential staging for more comfort with changes. When using a heat pump with Aux heat, if the heat pump cannot keep up and/or is defective, remove jumper from position 5 and put jumper on position 6 and the Aux heat will then be your only source of heat. Be sure to restore it to PUMP when the pump is again operational as aux heat is more expensive than pump heat.

pg **23** 

## pg 24 Wire Reference Your Wires Filtrete Terminal R or V or VR RH and RC Single power for HEAT and COOL RH or 4 RC RH Power for HEAT (RH not connected to RC) RC Power for COOL (RH not connected to RC) W W Heat control W2 2nd stage HEAT or heat pump auxiliary heat W2 A 3rd wire for zoned hot water heat (see zoned) **B and O** Y COOL control NOTE: If Y2 2nd stage COOL control Y2 there are both G FAN control C Common 24VAC power (to power thermostat) G or F B and O wires C or X (Trane pump Emergency heat (do not connect, tape off) products) DO NOT System monitor (do not connect, tape off) Outdoor sensor (do not connect, tape off) CONNECT B B Heat pump changeover (cool to heat, powered in heat) B terminal, O Heat pump changeover (heat to cool, powered in cool) B or SEE NOTE B and O

wire	Referei	nce cont		Zoned Systems	;		pg <b>2</b> 5
Your	Wires	Filtrete Termina	al	<b>Your Wires</b> 2 wire Zoned Ho R		Terminal	
	ox Heat Pu VR or R	ump RH		Ŵ	W		
	W or W2	Y W2		3 Wire Zoned He Motor Driven Va	lves		
F or ( R or X or )		G O C		R W Y (the 3rd wire)	RH W A		
	e Products	[American Standa	ard]	3 Wire Zoned H			
B W or	W1	C W2		Solenoid Valves R W	RH A		
				Y (the 3rd wire)	W		
Jump	oer Refe	erence		1 <sup>2</sup>	3	4 5 6	7 8
Config 3M-2	guration j 5 to be a	jumpers allow y dapted to many c control applica			3 Y Y2 RH RC G		7 8
Config 3M-2 differe	guration j 5 to be a ent HVAC	jumpers allow y dapted to many C control applic	/ Ations.	AS/ELEC HEAT	3 Y Y2 RH RC G STORE HEAT		7
Config 3M-2 differe	guration j 5 to be a ent HVAC	jumpers allow y dapted to many C control applic	/ ations.		3 v v2 RH RC G seroe HEAT PUMP	4 5 6 AUX ONLY	
Config 3M-29 differe RESET UN AFTER CH	guration j 5 to be a ent HVAC IANGING JUMI 12hr/ 24hr	jumpers allow y dapted to many C control applica PERS CELSIUS	/ ations.	AS/ELEC HEAT	HEAT		
Config 3M-2 differe	guration j 5 to be at ent HVAC NIT HANGING JUMI 12hr/ 24hr clock	jumpers allow y dapted to many C control applica PERS CELSIUS FAHRENHEIT	/ ations.	AS/ELEC HEAT	HEAT	AUX ONLY	7 8 (COSE (PEN)
Config 3M-29 differe RESET UN AFTER CH	guration j 5 to be at ent HVAC NIT 4ANGING JUMI 12hr/ 24hr clock 24hr	jumpers allow y dapted to many C control applica PERS CELSIUS FAHRENHEIT CELSIUS	/ ations.	AS/ELEC HEAT AS or ELECTRIC OIL OF H-PUMP 3 4	HEAT PUMP 5 L GAS	AUX ONLY	OPEN