

9b Operation — wiring diagrams

Figure 19 Schematic wiring diagram





Figure 20 Ladder wiring diagram

S	Electrical shock hazard — can cause severe injury or death. Disconnect power before installing or servicing.					120 VA		eutral () Gnd ()	
NOTICE All contacts are shown without power applied.					SWITCH *				
Legend for la	dder wiri	ng dia	agram						
	120 VA0	C field \	wiring			CONTRO	L INDUCER MO	TOR	
Low voltage field wiring						MODULE		-	
120 VAC factory wiring					HIGH SECTION				
Low voltage factory wiring						CIRCULATOR			
High voltage spark ignition wiring									
Ground connectors					PILOT		— — —		
	Ground	conne	0015		IGNITION				
Table G: Gas valv	e terminals	and an	ticipato	settings	ELECTROE	JE			
Gas valve	"A"	"B"	"C"	Anticipator amps			120 VAC		
Honeywell VR820		MV	PV	0.6					
Honeywell VR830		MV	PV	0.8					
White-Rodgers 3		1	3	0.64			00000		
White-Rodgers 36C2-4 *130.7* Terminals 2-4 are factory-jumpered on the							24 VAG		
White-Rodgers 36C gas valve.								ı	
							χ_{Λ}		
1. All wiring must be installed in accordance with:					Ī		(G) Power		
A. U.S.A. — N.E.C. And any other national, state,									
or local code requirements. B. Canada — C.S.A. C22.1 C.E.C. Part 1 and any					THE	RMOSTAT 米		PILOT GAS	
other national, provincial, or local code require-					•	∽ ∫ ⊶	(R) Tstat–Circ	VALVE	
ments.						5		── ●-^/~●	
2. Pilot lead wires are not field replaceable. Replace pi- lot assembly if necessary.					ROLLOUT	WATER TEMP		"Č" V	
3. If any of the original wire as supplied with the ap-					TFE	LIMIT SWITCH	$\gamma \gamma \dots$	"A" 🔶	
pliance must be replaced, use minimum 105 °C						ditional	(R)Limit		
wire or equivalent. Exception — wires to a rollout TFE must be 200 °C or equivalent.						s (note 7)		"B",	
4. Thermostat anticipator setting (single zone) — see									
Table G for anticipator setting, depending on					AIR PRESSURE SWITCH FILOT FLAME SENSOR =		(R) Press switch	MAIN GAS VALVE	
which gas valve is installed in boiler. 5. For multiple zoning, use either zone valves or									
circulators. Refer to the component manufac-								See Table G	
turer's instructions and this manual for applica-							\sim		
tion and wiring suggestions. 6. Refer to control component instructions packed							(R) Flame		
with the boiler for application information.							Control module		
7. Wire any additional limit controls (low water cut- off, additional high limit, etc.) in series with boiler							low voltage		
on, auditional		cu.) II	1 301103	with boller			agetion	· · · · · · · · · · · · · · · · · · ·	

71033

off, additional high limit, etc.) in series with boiler limit control as shown.

section