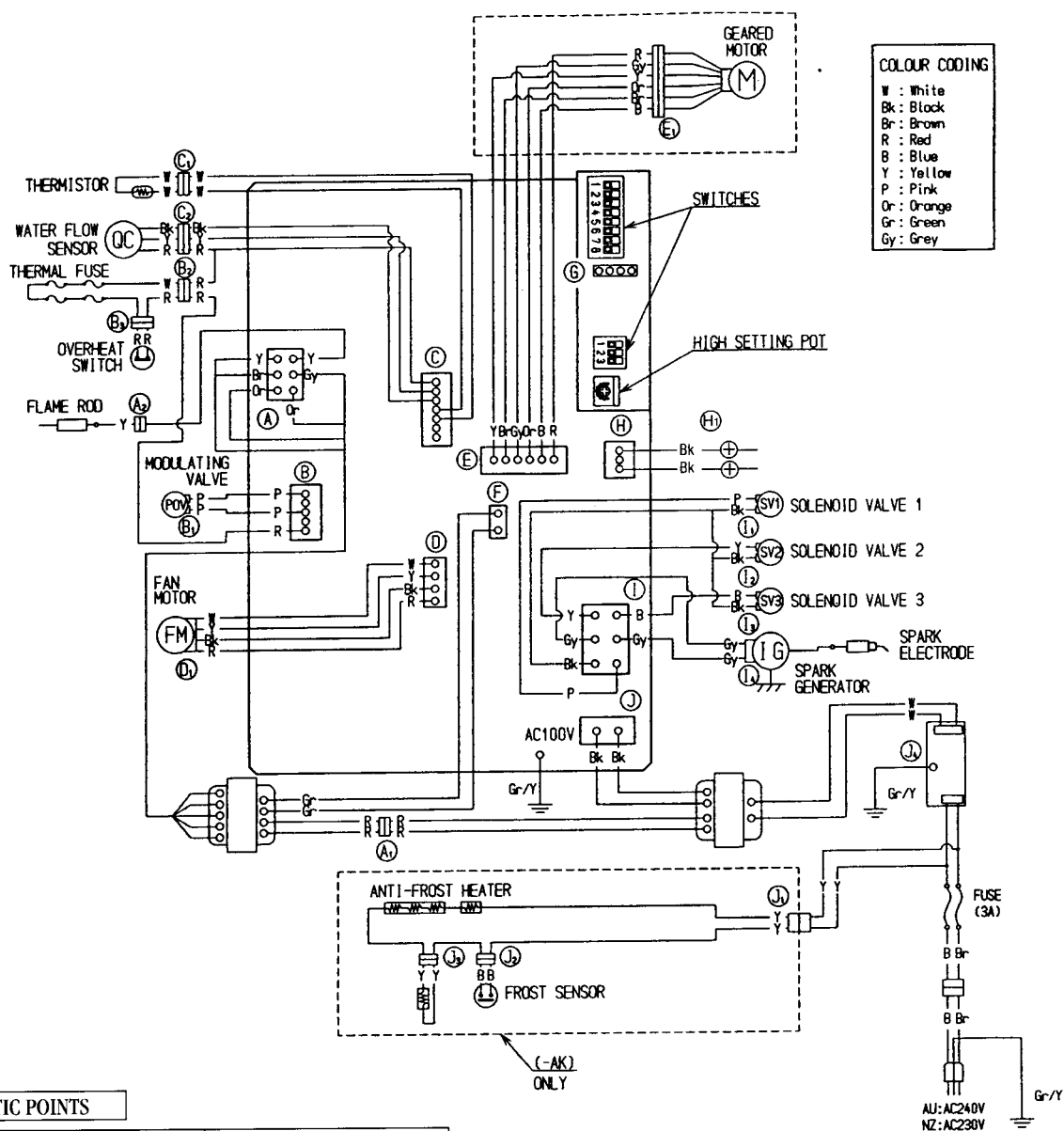


WIRING DIAGRAM

REU-2424WH



DIAGNOSTIC POINTS

①		J ₁	Br-B	AC207~264V
②		H ₁	Bk-Bk	
③	WATER FLOW SENSOR	C ₂	R-Bk	DC11~13V
			Y-Bk	DC2~10V
④	FAN MOTOR	D	W-Bk	DC2~9V
		G		60~350Hz
⑤	FLAME ROD	A ₂	Y-EARTH	AC100~160V
				ABOVE DC1 μA
⑥	THERMISTOR	C ₁	W-W	15°C... 11.4~14.0kΩ 30°C... 6.4~7.8kΩ 45°C... 3.6~4.5kΩ 60°C... 2.2~2.7kΩ 105°C... 0.6~0.8kΩ
⑦	THERMAL FUSE	B ₂	W-R	BELOW 1Ω
⑧	OVERHEAT SWITCH	B ₃	R-R	BELOW 1Ω
⑨	SPARK GENERATOR	I ₄	Gy-Gy	AC90~110V
⑩	SOLENOID VALVE 1	I ₁	P-Bk	DC80~100V 0.9~1.3kΩ
⑪	SOLENOID VALVE 2	I ₂	Y-Bk	DC80~100V 1.3~1.9kΩ
⑫	MODULATING VALVE	B ₁	P-P	DC0.5~25V 60~100Ω
⑬	SOLENOID VALVE 3	I ₃	B-Bk	DC80~100V 1.3~1.9kΩ
⑭	GEARED MOTOR	E ₁	R-B Or-Gy	DC11~13V

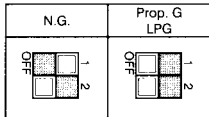
TRANSFORMER NORMAL READINGS

A ₁	R-R	AC90~110V 15~21Ω
F	Gr-Gr	AC16~20V 6~10Ω
A	Or-Or	AC13~30V 1.4~1.8Ω
A	Br-Gy	AC30~50V 6~10Ω
A	Y-Gy	AC180~220V 0.4~0.6kΩ

GAS PRESSURE SETTING PROCEDURE

1. Check gas type switch is in correct position.

IMPORTANT



2. Attach pressure gauge to pressure test point.
Turn heater on by opening a tap.

3. Set No.2 of the bottom set of dip switches to ON. Remove plug in base of heater for access to regulator screw. Adjust regulator screw on modulating valve.



4. Adjust pressure if necessary to figure in table below.

PRESSURE SETTING LOW

	2424WH
NG	0.08kPa
Prop. G	0.17kPa
LPG	0.15kPa

5. Lock Regulator Screw.

6. Switch No.3 ON.



7. Adjust high pressure by POT on P.C.B. if necessary to figure shown in table below.

HIGH SETTING
POT



PRESSURE SETTING LOW

	2424WH
NG	0.90kPa
Prop. G	2.26kPa
LPG	1.90kPa

8. IMPORTANT: Return switch 2 and 3 of the bottom set of dip switches to the OFF position



9. Close tap to turn heater off.

10. Remove gauge, replace screw.

11. Replace plug in base.

■ TESTING

- Turn on Gas and Water.

- Test for water leaks and gas escapes. Use soapy water to check for gas leaks.

- Remove pressure test point screw, attach pressure gauge to test point.

- Turn power on (Caution 230/240V inside unit).

- Turn Infinity on at Kitchen Remote Control. Open any hot tap fully.

- Check test point pressure.

- Refer to tables in gas pressure setting procedure column.

- If the pressure is low, there could be various reason eg. warm incoming water, low water flow, gas pipes too small.

- If it is established that the gas pressure needs adjusting, first check the pressure at the incoming pressure test point (on the gas inlet). If the incoming pressure is correct, follow the instructions EXACTLY according to the information provided above. IF IN DOUBT, CONTACT RINNAI.

- Turn hot water off. Turn power off. Remove pressure gauge and replace test point screw.

- Replace front cover (4 screws).

- Turn power on.

- Check operation of appliance.

FAULT/FAILURE PROCEDURE

If you are unable to get the Infinity to operate correctly, contact Rinnai, or your local agent.

NOTE: The regulator is factory pre-set, it should not need adjusting. Check incoming pressure before attempting to make any change to the appliance regulator.



CORRECT GAS PIPE SIZING IS VERY IMPORTANT.

IF GAS PIPE SIZE IS INSUFFICIENT, THE CUSTOMER WILL NOT GET THE FULL PERFORMANCE BENEFIT.

CHECK MAXIMUM CONSUMPTION TO CALCULATE THE PIPE SIZING.

USE A SUITABLE PIPE SIZING CHART (FOR EXAMPLE THE CHARTS IN AG601) TO CALCULATE PIPE SIZING.

