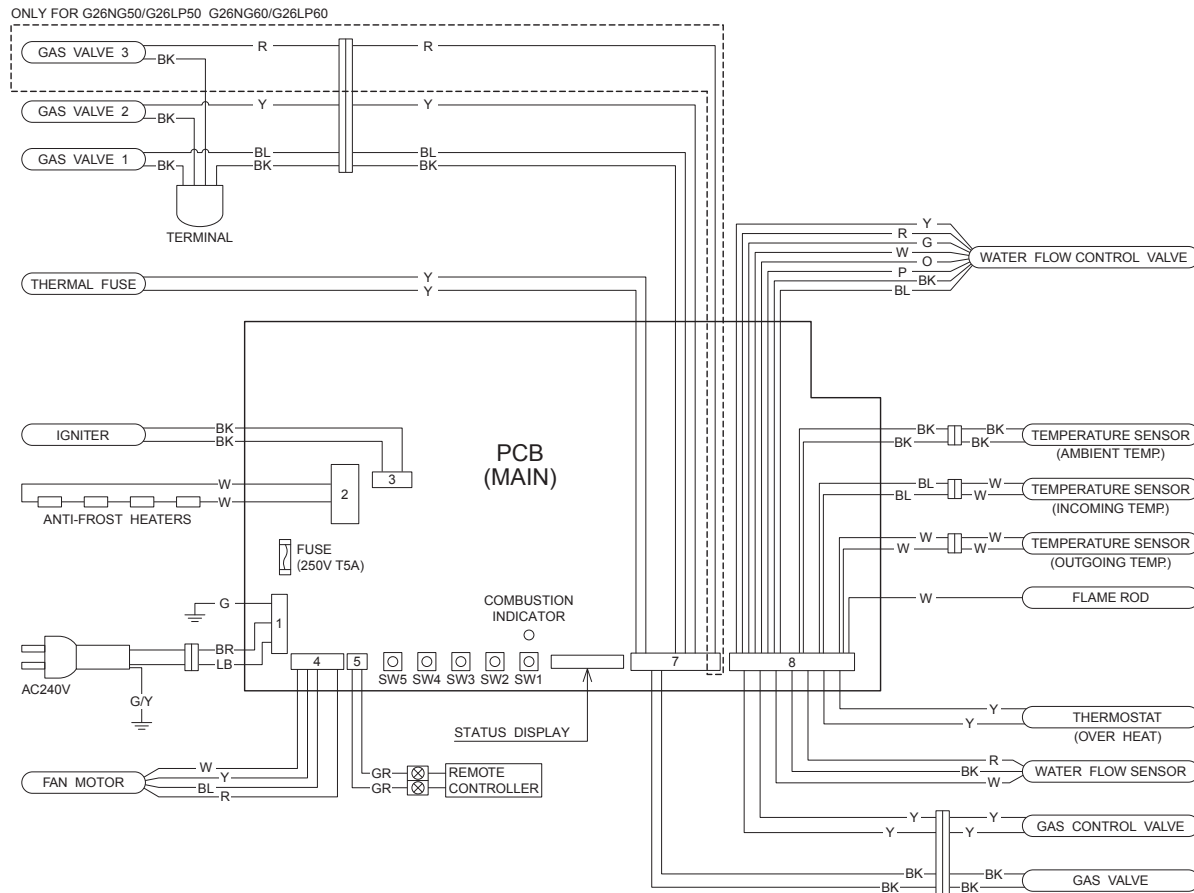


WIRING DIAGRAM

**FOR model G16NG50/G16LP50 G20NG50/G20LP50 G26NG50/G26LP50
G16NG60/G16LP60 G20NG60/G20LP60 G26NG60/G26LP60**



● PCB

MODEL NAME	PCB NO.
G16NG50/G16LP50	GC-186
G20NG50/G20LP50	GC-188
G26NG50/G26LP50	
G16NG60/G16LP60	GC-187
G20NG60/G20LP60	GC-189
G26NG60/G26LP60	

● SWITCH

SWITCH NO.	SWITCH NAME
SW1	GAS VOLUME ADJUSTING BUTTON (UP)
SW2	GAS VOLUME ADJUSTING BUTTON (DOWN)
SW3	MENU BUTTON
SW4	SELECT BUTTON +
SW5	SELECT BUTTON -

W : White	O : Orange
BK : Black	R : Red
BR : Brown	G : Green
BL : Blue	P : Purple
GR : Grey	Y : Yellow
LB : Light Blue	

⚠ WARNING

- Do not attempt to short circuit when safety devices or thermal fuse activates. This may result in fire, scalding or damage of the unit.
- Disconnect power supply plug when installing or replacing components to prevent electric shock.

*** IMPORTANT TO BE ONLY ALTERED BY AN AUTHORIZED PERSON**

To change the settings, refer to the procedure below and status display.

- (1) Press and hold the "MENU BUTTON" for 3 seconds or longer.
Enter the setup item mode, and the left side of the Status Display blinks.
- (2) Press "SELECT BUTTON + " or "SELECT BUTTON - " to set the display on the left side of the Status Display.
* Pressing "SELECT BUTTON" changes display as [A]⇔[b]⇔[C]⇔[d]⇔[E]⇔[A]⇔...
- (3) Press the "MENU BUTTON".
Enter the setting value mode, and the right side of the Status Display blinks.
* Pressing "MENU BUTTON" changes the blinking display between the left and right sides.
- (4) Press "SELECT BUTTON + " or "SELECT BUTTON - " to set the display on the right side of the Status Display.
* Pressing "SELECT BUTTON" changes display as [0]⇔[1]⇔[2]⇔[3]⇔[4]⇔[0]⇔...

STATUS DISPLAY FOR GAS TYPE SETTING

Propane Natural Gas

AO AI

STATUS DISPLAY FOR MODEL TYPE SETTING (*1)

MODEL	MODEL	MODEL
G16NG50	G20NG50	G26NG50
G16LP50	G20LP50	G26LP50
G16NG60	G20NG60	G26NG60
G16LP60	G20LP60	G26LP60

BO BI B2

STATUS DISPLAY FOR CASCADE SETTING MODEL (*2)

FACTORY DEFAULT the MASTER unit the SLAVE unit

CO CI C2

STATUS DISPLAY FOR TEMPERATURE SETTING WHEN REMOTE CONTROLS ARE NOT FITTED

Only for 50°C model

FACTORY DEFAULT STEP1 STEP2

DO DI D2

STEP3 STEP4

D3 D4

Only for 60°C model

60°C 70°C(*3)

EO EI

STATUS DISPLAY FOR SIDEWAYS FLUE DIVERTER

FACTORY DEFAULT FOR SIDEWAYS FLUE DIVERTER INSTALLATION

EO EI

- * 1 Do not move these settings.
- * 2 Only for G26NG50/G26LP50 G26NG60/G26LP60
- * 3 For use as a solar booster application the temperature setting must be 70°C.

When setting the maximum/minimum output, refer to the following procedure and the status display.

- (1) Press "SELECT BUTTON - " for 3 seconds or more.
The display of Status Display changes to "Lo".
- (2) Press "MENU BUTTON".
The display of Status Display changes to "Hi".
* By MENU BUTTON, Lo / Hi can be switched.

STATUS DISPLAY FOR MAXIMUM / MINIMUM OUTPUT SETTING (*4)

MINIMUM MAXIMUM

Lo Hi

- * 4 This setting becomes invalid for safety precaution 5 minutes after hot water supply stops.

■ Delivery Temperature Adjustment for 50°C Preset Model

This instruction must be read in conjunction with the Operating & Installation manuals and the caution sheet "Instructions for units supplied set at 50°C to comply with AS 3498" which are supplied with the unit.

Application

This instruction applies only to units labelled "50°C Preset" on the side label.

Background

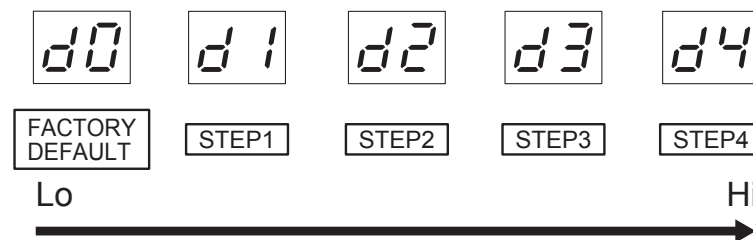
"50°C preset" units are "Factory Set" to deliver a maximum temperature not exceeding 50°C. However, they have an incremental adjustment mechanism that allows the installer to increase the unit delivery temperature incrementally from the "Factory Set" value to temperatures exceeding 50°C. This is intended to enable compensation for temperature losses in the pipework between the water heater and any outlets and achieve the required temperature at the outlet. This instruction contains the procedure steps for carrying out such adjustment. Hot water is factory set to 48°C to allow for safety factor to ensure water at nearest outlet is delivered under 50°C.

Procedure - Delivery Temperature Adjustment

Measure the maximum hot water temperature from the sanitary fixture used primarily for the purposes of personal hygiene that is closest to the hot water heater (for example, a basin or bath outlet in the bathroom closest to the water heater) as follows. If the measured temperature is less than 50°C (It should be 48°C), the temperature may be adjusted as follows:

1. Keep the power supply on.
2. Modify the setting from the factory default to STEP1 in Table 1, referring to the procedures (1) to (4) on the previous page.
3. Turn off the power and turn on it again.
4. Open the faucet. When flow rate and temperature become stable, measure the stabilised hot water temperature.
5. If the temperature is less than the appropriate temperature (50°C), return to 1 and follow the procedure to change the settings to STEP 2.
If the appropriate temperature is not achieved, follow the process to STEP 3 and STEP 4 settings.

■ Table 1 status display



⚠ WARNING

- Ensure building occupants do not have access to any hot water outlets during this procedure.
- If the hot water temperature from ANY outlets used primarily for the purposes of personal hygiene exceed 50°C after temperature adjustment in step has been performed, check your work and repeat the temperature delivery adjustment procedure as required.
Temperatures exceeding 50°C from any outlets primarily used for the purposes of personal hygiene do not comply with AS/NZS3500 and may contravene local regulations.

Guidance Note for Table 1 status display

For a given installation, temperature loss is typically greatest in winter when ambient air and water temperatures are lowest. Conversely, temperature loss is typically lowest in summer when these ambient temperatures are highest. It follows that the delivery temperature of water flowing through outlets is typically higher in summer than it is in winter. The installer is to take into consideration the effects of these seasonal variations in ambient temperatures when carrying out temperature adjustments.