Installation Instructions

EZ LINK SYSTEM®

Rheem Continuous Flow Gas Water Heaters

This EZ Link system must be installed and serviced by a qualified person.
Please leave this guide with the householder.

⚠ **Warning:** Upon completion of the installation and commissioning of the water heaters, leave this guide with the householder or a responsible officer. **DO NOT** leave this guide inside of the cover of one of the water heaters, as it may interfere with the safe operation of the water heater or ignite when the water heater is turned on.

Notice to Victorian Customers from the Victorian Plumbing Industry Commission.

The water heaters must be installed by a licensed person as required by the Victorian Building Act 1993.

Only a licensed person will give you a Compliance Certificate, showing that the work complies with all the relevant Standards. Only a licensed person will have insurance protecting their workmanship for 6 years. Make sure you use a licensed person to install this water heater and ask for your Compliance Certificate.

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EZ LINK System

The EZ Link™ system is designed to electronically control two continuous flow gas water heaters and have them operate as one. One or both water heaters may be in operation, depending upon the hot water demand. The second water heater will only operate when the hot water demand exceeds the capacity of the first water heater to supply.

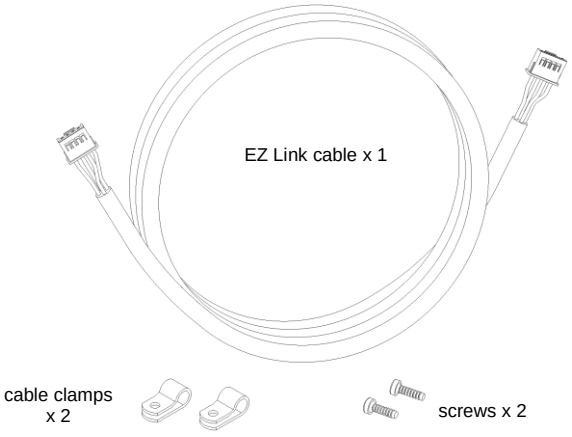
The EZ Link system is suitable for installation with the following 6 star continuous flow gas water heaters:

- Rheem indoor 862, 864, 866 series 627 models
- Rheem outdoor 872, 874, 876 series 627 models
- Rheem outdoor 874, 876 series 812, T16, 820, 826, T26 models.

  Note: Only the T26 models are referenced from this point forward in this installation instruction. If two of the 812, T16, 820, 826 models are to be EZ Linked, then follow the procedures for the T26 models, as this information is applicable to these models.

Note: An EZ Link system is **NOT** compatible with Rheem 871 or 875 series continuous flow water heaters. This includes the following models:

- Rheem outdoor 871, 875 series 624, E24, 626, E26 models.
- Rheem outdoor 871, 875 series 024, M24, 026 models



EZ Link Kit Components – PN 299804

Notes:

- Only two water heaters can be installed with an EZ Link system.
- The EZ Link system will vary the start-up sequence of the two water heaters.
- The two water heaters must be of the same model. The performance of two different model water heaters manifolded together cannot be guaranteed.
- It is recommended two water heaters be set with the same preset outlet temperature setting.
- A temperature controller(s) may be installed but is not required to be installed with the EZ Link system on a Rheem T26 model or 627 model dual installation. The controller can be either a standard or Deluxe controller.
- If the EZ Link system is used with a water heater with a preset outlet temperature greater than 60°C and a temperature controller is installed, the maximum outlet temperature of the water heater will be limited by the maximum temperature setting of the temperature controller.
- Two Rheem 874 series T26 model (with a manufacture date of January 2018 or later only) or 862, 864, 872, 874 series 627 model water heaters manifolded together and with an EZ Link system installed can be used as an in-series gas booster system to a solar water heater installation so long as a temperature controller is not installed.

  ⚠ **Warning:** Temperature controllers **must not** be fitted to a water heater as part of a solar water heater system because water at a temperature much higher than the controller setting can be delivered.

Dual Installation

The two water heaters can be installed side by side with minimal clearance between them. Rheem 812, T16, 820, 826, T26 and 627 models are certified for installation with an exemption from the 300 mm minimum clearance requirements between flue terminals, as stated in AS/NZS 5601, clause 5.13.6.5 and AS/NZS 5601.1, clause 6.9.3.

Install two water heaters of the same model in a parallel plumbing arrangement. It is good practice, but not essential, to install the two water heaters in an Equa-Flow® plumbing arrangement (refer to the 'Typical Two Unit Manifold in Equa-Flow with EZ Link Connection' diagrams on pages 14 to 16). The installation must be in accordance with the Owner's Guide and Installation Instructions supplied with the water heater.

1. The pipe work must be sized to meet the requirements of both AS/NZS 3500.4 and the application. It is recommended to use minimum DN25 pipe for the cold water line, cold and hot headers and hot water line and DN20 for the cold and hot water branch lines of each water heater.

2. A full flow gate valve or ball valve must be installed on the cold water line to the system. A non-return valve or stop tap must not be installed.

3. A full flow gate valve or ball valve (not a stop tap) should be installed on both the cold water branch and hot water branch of each water heater.

4. An isolation valve must be installed on the gas branch of each water heater.

5. Non-return valves or pressure limiting valves must not be installed on the branch lines to the water heaters.

6. All fittings, valves and branch lines should be matched sets to each of the water heaters.

7. Sufficient space must be left to enable access, servicing or removal of either water heater.

A second rating label is attached to the inside of the front cover. This can be referenced to determine details of the left hand water heater.

Refer to the 'Typical Two Unit Manifold in Equa-Flow with EZ Link Connection' diagrams for the:

- 874, 876 series T26 models on page 14, or
- 872, 874, 876 series 627 models on page 15, or
- 862, 864, 866 series 627 models on page 16.

Temperature Controller
A temperature controller(s) may be installed but is not required to be installed on these water heaters with the EZ Link system. The controller can be either a standard or Deluxe controller.

⚠ **Warning:** Temperature controllers **must not** be fitted to a water heater as part of a solar water heater system because water at a temperature much higher than the controller setting can be delivered.

Connect a temperature controller to one only of the two water heaters. Up to three temperature controllers of the same family can be installed to this water heater. Refer to “Installation – Controllers” in the Owner’s Guide and Installation Instructions supplied with the water heater, for the rules applying to the installation of temperature controllers and for details on connecting a controller to the water heater.

The water heater connected with the temperature controller(s) will become the “master” water heater. The installed temperature controller(s) will control the temperature and functionality of both water heaters.

The maximum outlet temperature of the water heaters will be limited by the maximum temperature setting of the temperature controller.

Notes:

- A temperature controller should not be installed if the EZ Linked water heaters are part of a circulated hot water flow and return system in a building.

  The preset outlet temperature setting of the water heaters must be set to at least 60°C if installed as part of a circulated hot water flow and return system in a building.

  Water should not be circulated from a water heater with a temperature setting of less than 60°C.

- Refer to the Owner’s Guide and Installation Instructions supplied with the water heater for further information on installing a water heater as part of a circulated hot water flow and return system in a building.

EZ LINK Cable Connection
The references in steps 5 to 10 are to the:

- 'Control Board T26 models with EZ Link Connection' diagram on page 12, or
- 'Control Board 627 models with EZ Link Connection' diagram on page 13.

To connect the EZ Link cable to the water heaters:

1. Close any hot taps and ensure the burners on both water heaters are not operating.

2. Switch off the electrical supply at the power outlet to each water heater.

3. Remove the screws holding the front panel to the jacket on each water heater.

4. Gently disengage the front panel and pull forward to remove from each water heater.

5. Connect one end of the EZ Link cable to the first water heater, as follows:

   Note: If a controller(s) is connected to one of the water heaters, then this is the 'first' water heater.

   - Draw the cable through the cable grommet on the underside of the water heater.

   T26 model

   - Remove the screw securing the Control Board on the water heater and gently pull forward the Control Board to improve access to the cable connector. Discard the screw.
   - Plug the cable into the four pin connector marked "E" in the mid right-hand side of the Control Board and press until the connector snaps into place.

     The connector will only fit one way.

     Refer to the Control Board diagram for a T26 model on page 12.

   627 model

   - Plug the cable into the four pin connector located immediately below the MIN button, toward the upper right hand corner of the Control Board, and press until the connector snaps into place.

     The connector will only fit one way.

     Refer to the Control Board diagram for a 627 model on page 13.
   - Secure the EZ Link cable with the clamp and screw provided, to the top right of the Control Board.

6. Switch DIP SWITCH 4 to the on (up) position on the first water heater.

   Note: This dip switch is on the DIP 1 set of dip switches on a 627 model.

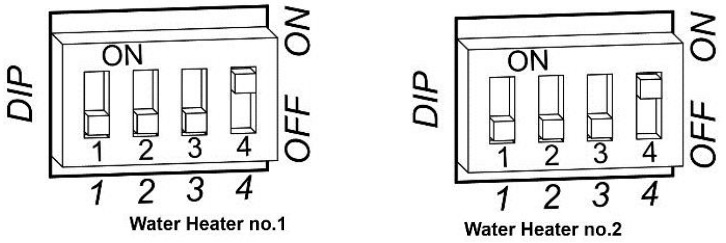
   Refer to the:

   Control Board diagram on page 12 and dip switch settings diagrams on page 9 for a T26 model, or

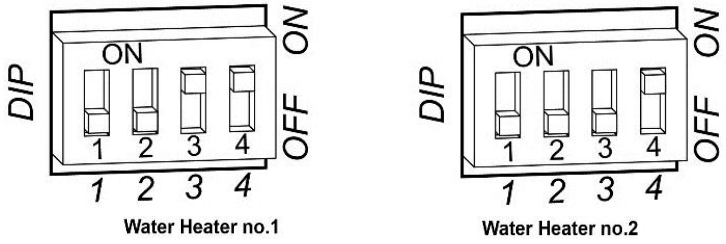
   Control Board diagram on page 13 and dip switch settings diagrams on page 10 for a 627 model.

   - *T26 Model – Without a Controller Connected:* If a temperature controller is not installed, then also switch DIP SWITCH 3 to the on (up) position on the first water heater.
   - *627 Model – Without a Controller Connected:* If a temperature controller is not installed, then also switch DIP SWITCH 1 of the DIP 2 set of dip switches to the on (up) position on the first water heater.

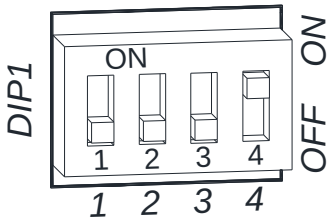
7. *T26 model* – refit the Control Board, and secure the EZ Link cable with the clamp and screw provided to the top right of the Control Board. This also secures the Control Board in position.

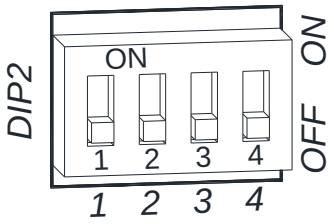


dip switch settings T26 models
with a temperature controller connected

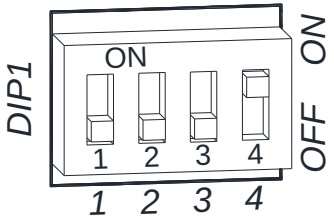


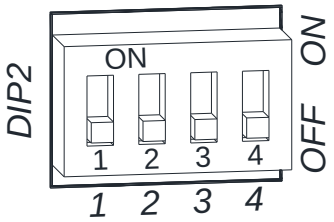
dip switch settings T26 models
without a temperature controller





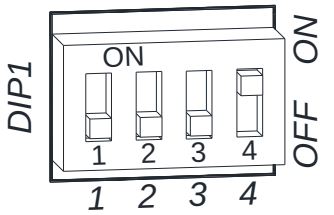
Water Heater no.1
(with controller(s) connected)

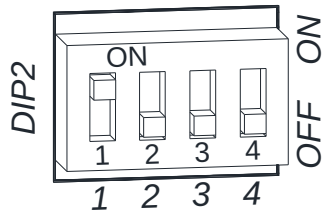




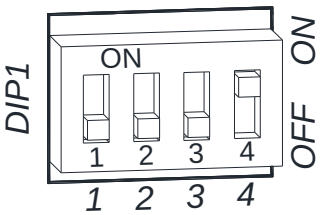
Water Heater no.2

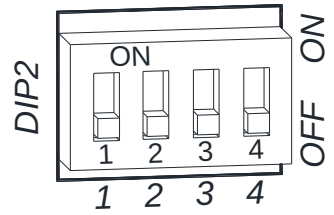
dip switch settings 627 models
with a temperature controller connected





Water Heater no.1





Water Heater no.2

dip switch settings 627 models
without a temperature controller

8. Connect the other end of the EZ Link cable, by repeating step 5, but to the second water heater.

9. Switch DIP SWITCH 4 to the on (up) position on the second water heater.

   Note: This dip switch is on the DIP 1 set of dip switches on a 627 model.

   Refer to the:

   Control Board diagram on page 12 and dip switch settings diagrams on page 9 for a T26 model, or

   Control Board diagram on page 13 and dip switch settings diagrams on page 10 for a 627 model.

10. *T26 model* – refit the Control Board, and secure the EZ Link cable with the clamp and screw provided to the top right of the Control Board. This also secures the Control Board in position.

11. Refit the front panel and screws to each water heater.

12. Check the main gas isolation valve and the isolation valves at the gas inlet to each water heater are fully open.

13. Switch on the electrical supply at the power outlets to the water heaters.

14. Turn on the controller by pressing the on / off (⏻) button, if one is installed.

    The on / off operating light and the priority light will both glow.

15. Check to ensure the flow from each connected hot tap is sufficient to operate a water heater.

    - Open each hot tap independently.

      One of the water heaters will operate automatically.

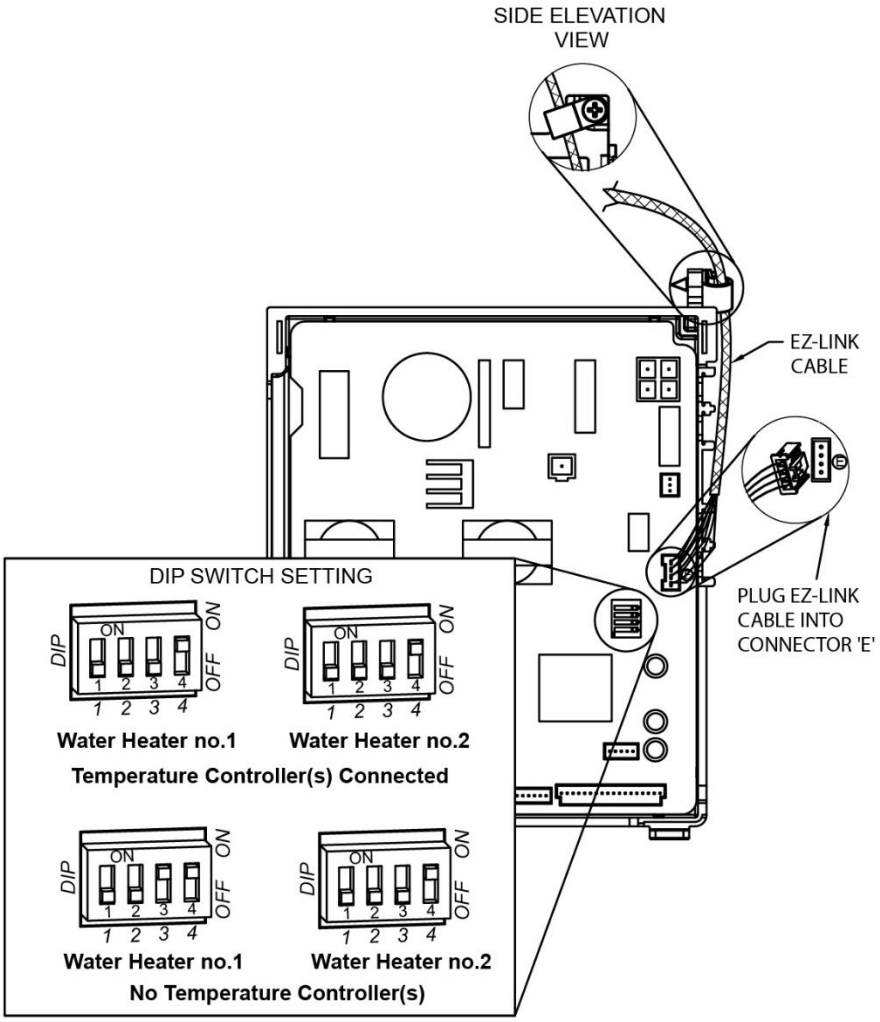
    The minimum operating flow rate for each model water heater is:

    - T26 model – 1.5 litres per minute, or
    - 627 model – 2.0 litres per minute.

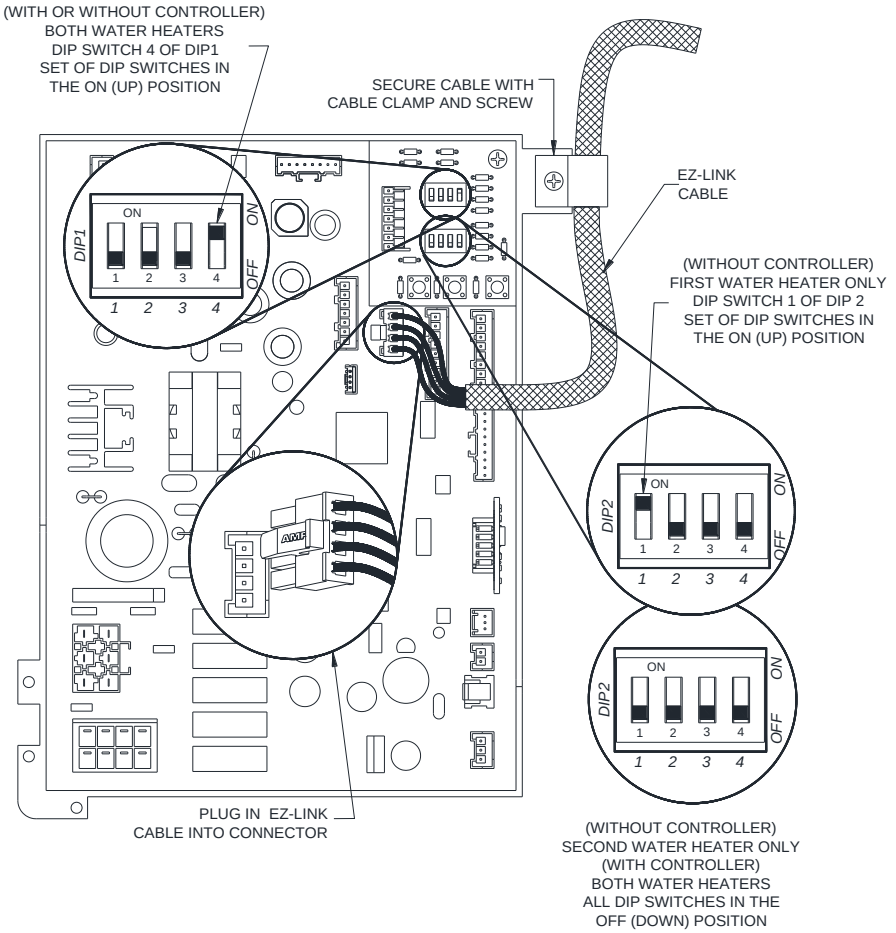
16. Increase the hot water flow by turning on multiple hot taps until both of the water heaters operate to ensure the EZ Link system is working correctly.

17. Turn off the hot taps.

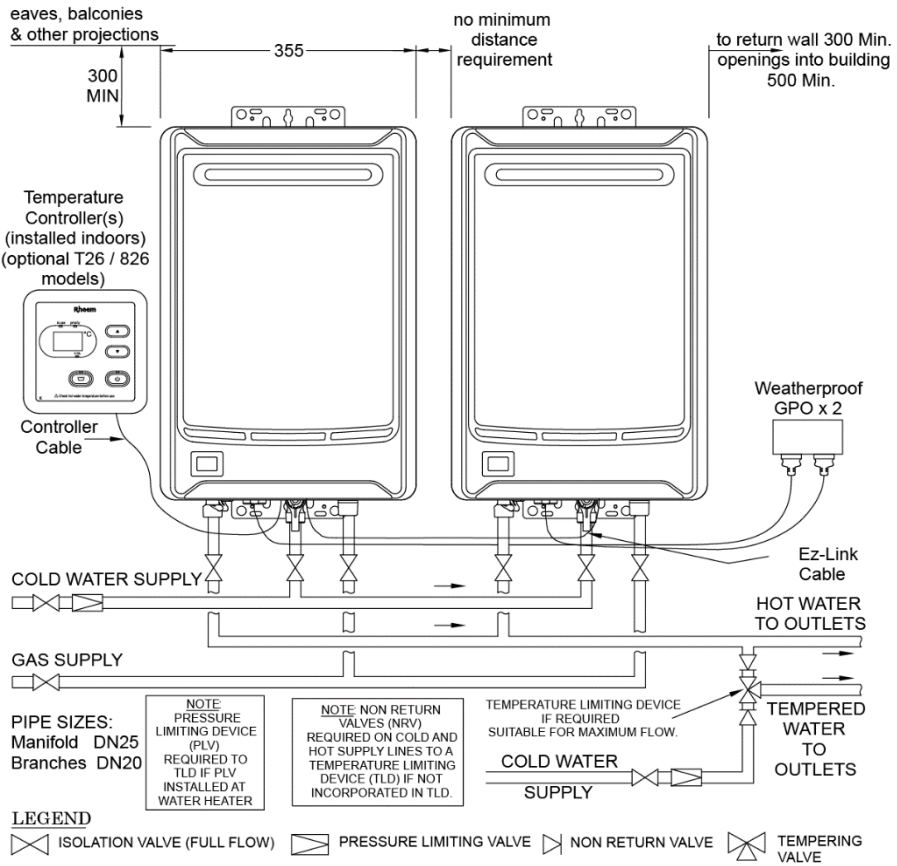
Refer to the “Commissioning” section in the Owner’s Guide and Installation Instructions supplied with the water heater for details on completing the installation.



Control Board T26 models with EZ Link Connection

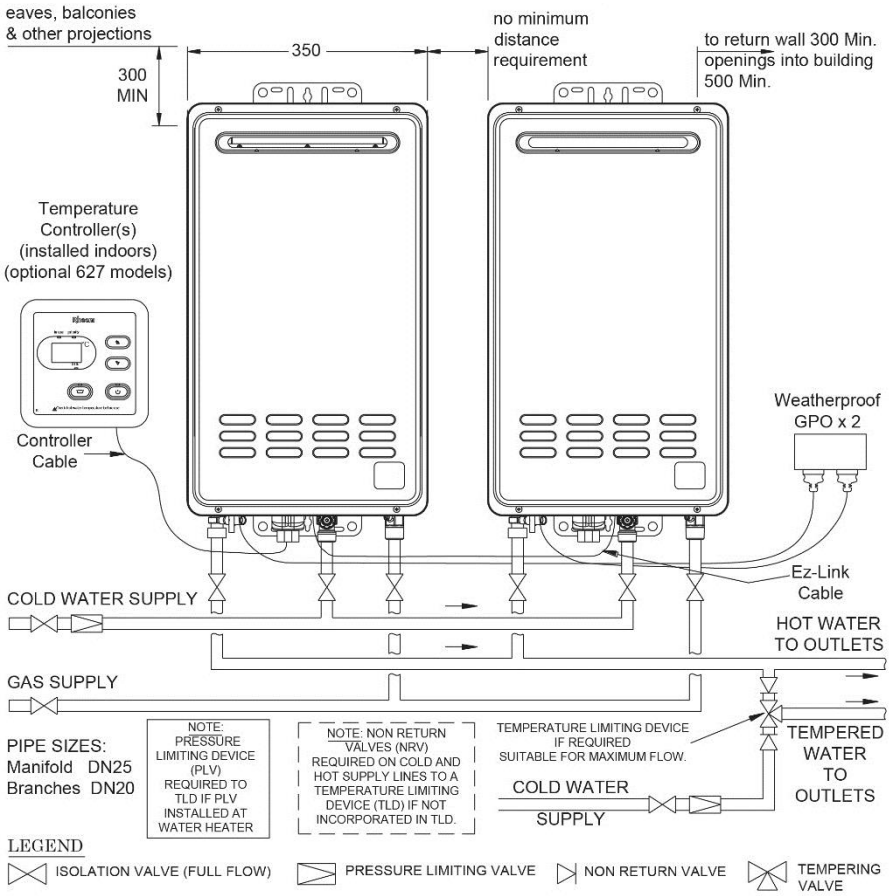


Control Board 627 models with EZ Link Connection



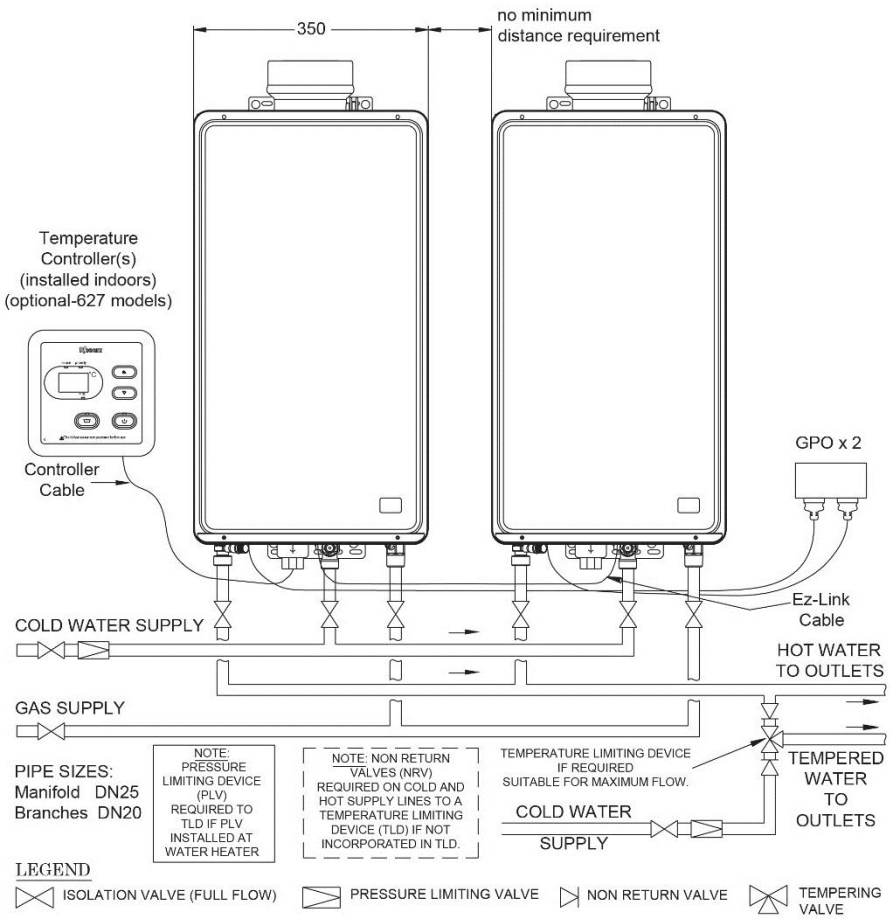
Typical Two Unit Manifold in Equa-Flow with EZ Link Connection Outdoor 874, 876 Series – T26 Models

Refer to the Owner's Guide and Installation Instructions supplied with the water heater for additional information on the installation of the water heaters.



Typical Two Unit Manifold in Equa-Flow with EZ Link Connection Outdoor 872, 874, 876 Series – 627 Models

Refer to the Owner's Guide and Installation Instructions supplied with the water heater for additional information on the installation of the water heaters.



Typical Two Unit Manifold in Equa-Flow with EZ Link Connection
Indoor 862, 864, 866 Series – 627 Models

Refer to the Owner's Guide and Installation Instructions supplied with the water heater for additional information on the installation of the water heaters.