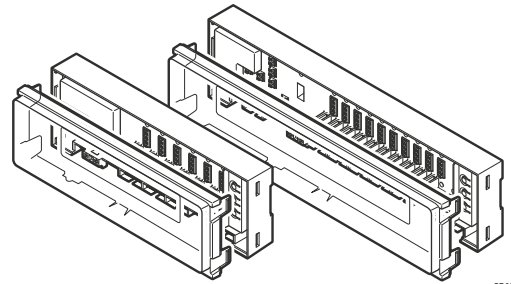


Uponor Base controllers X-80 and X-60 230 V



IC0000120

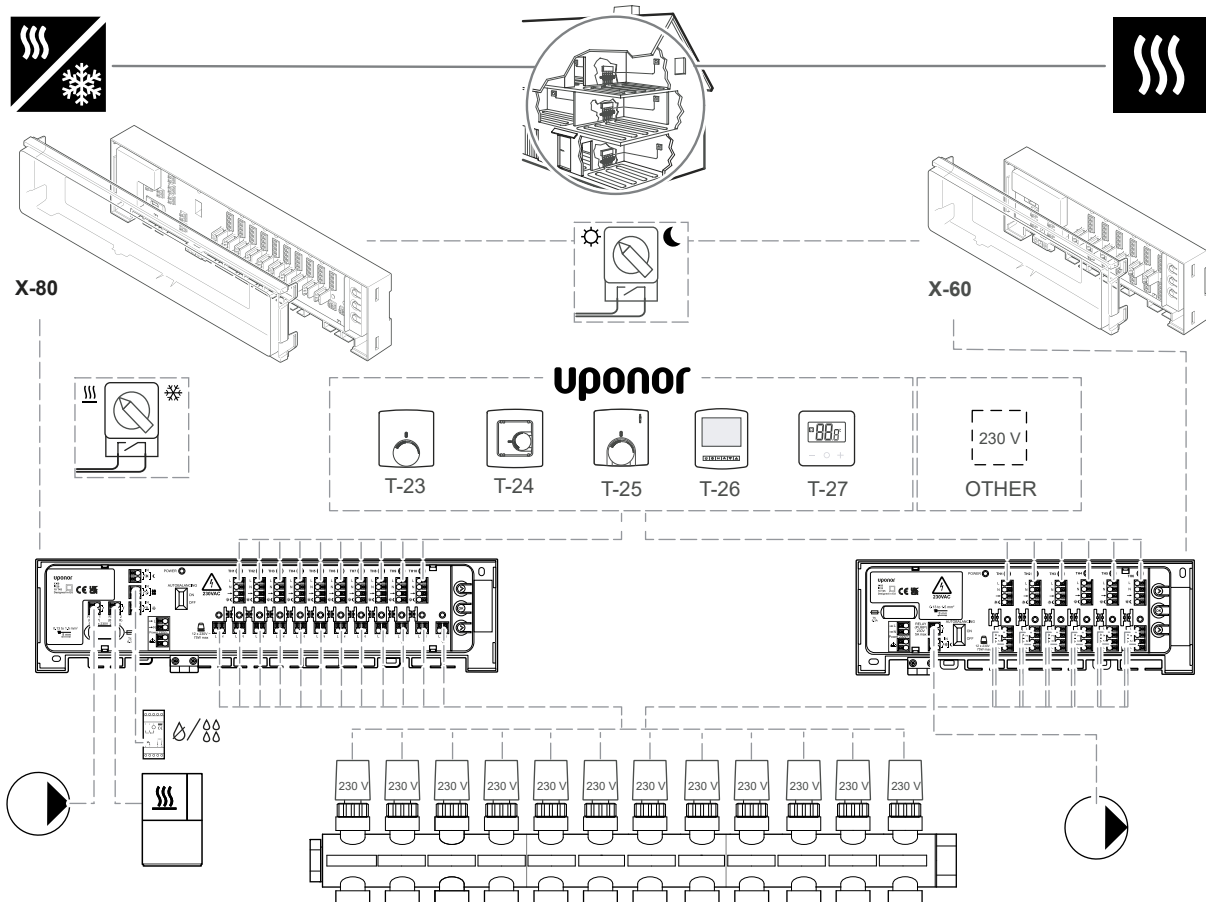
CD0000623

The Uponor Base controller is one of the core components in radiant heating/cooling systems. It controls the heating source, pump, and actuators to adjust the indoor temperature in each room based on transmitted demand signals from the thermostats.

Which controller that is the most suitable one for an installation depends on which features that are required in the system.

Uponor offers two different controllers that operate with 230 V:

- Uponor Base controller H/C pump X-80 10x 230V
- Uponor Base controller H pump X-60 6x 230V



SD0000241

Controller features

Uponor Base controller H/C pump X-80 10x 230V

Main hardware characteristics of this controller:

- 230 V AC input.
 - 1 power LED (green).
- 3 digital inputs: heating/cooling switch, condensation, day/night switch.
- 2 relays: pump and boiler relay.
- Can operate up to 10 thermostats:
 - 4 connectors per thermostat (L – N – Demand and output for day/night switch).
 - 10 red thermostat channels LEDs which used during the connection process.
- Can operate up to 12 actuators which can be assigned independently:
 - 12 single noiseless actuator outputs (triacs).
 - 12 RGB actuator output LEDs which are used during the connection process and to indicate the actuator status.
- 3 push buttons: Thermostat (>), "OK", Actuator (>).
- 1 switch to enable/disable the autobalance function.

Software features

Main characteristics of the controller software:

- Output management:
 - Autobalancing (set by default).
 - ON/OFF outputs management.
- Pump management.
- Boiler management.
- Valve exercise.
- Day/night switch.
- Cooling mode:
 - The thermostats do not change the status from heating to cooling.
 - The status change is made by the controller which inverts the demand signal from the thermostat.
 - Condensation management.
- Assignment of input – output (thermostats – actuators).
- Factory reset.

Uponor Base controller H pump X-60 6x 230V

Main hardware characteristics of this controller:

- 230 V AC input.
 - 1 power LED (green).
- Digital inputs: day/night switch.
- Pump relay.
- Can operate up to 6 thermostats:
 - 4 connectors per thermostat (L – N – Demand and output for day/night switch).
 - 6 red thermostat channel LEDs, which are used during the connection process.
- Can operate up to 12 actuators, with 2 actuators at a time that follow a common thermostat:
 - 6 double noiseless actuator outputs (triacs).
 - 6 bi-colour actuator output LEDs which are used during the connection process and to indicate the actuator status.
- 3 push buttons: Thermostat (>), "OK", Actuator (>).
- 1 switch to enable/disable the autobalance function.

Software features

Main characteristics of the controller software:

- Output management (set by default).
 - Autobalancing (set by default).
 - ON/OFF outputs management.
- Pump management.
- Valve exercise.
- Day/night switch.
- Assignment of input – output (thermostats – actuators).
- Factory reset.

System compatibility

Note

For more detailed information, product range and documentation please visit the Uponor website: www.uponor.com.

Uponor Base thermostats 230 V

The Uponor Base controllers X-80 and X-60 are compatible with Uponor Base thermostats (230 V).

- Uponor Base thermostat T-23 standard 230V RAL9010
- Uponor Base thermostat T-24 flush 230V
- Uponor Base thermostat T-25 H/C 230V
- Uponor Base thermostat T-26 dig. prog. 230V RAL9010
- Uponor Base thermostat display T-27 230V RAL9016

Third-party thermostats



Warning!

The installer must make sure that the thermostat is compatible with the controller before the installation is done.

Following minimum requirements must be obeyed if third-party thermostats should be connected to the controller.

- 2 wires for power supply 230 V
- 1 output 230 V for the demand

Following features are optional requirements.

- Day/night output
- Heating/cooling output (only available in controller X-80)

Documentation overview

Product type	Product name	Document type
Controller	Uponor Base controller H/C pump X-80 10x 230V	System description
		Installation manual
		Operation manual
	Uponor Base controller H pump X-60 6x 230V	System description
		Installation manual
		Operation manual
Thermostat	Uponor Base thermostat T-23 standard 230V RAL9010	Quick guide
	Uponor Base thermostat T-24 flush 230V	Quick guide
	Uponor Base thermostat T-25 H/C 230V	Quick guide
	Uponor Base thermostat T-26 dig. prog. 230V RAL9010	System description
		Installation manual
		Operation manual
	Uponor Base thermostat display T-27 230V RAL9016	Product information
		Quick guide
Installation and operation manual		

This table gives an overview of the documents available for each compatible Uponor product.



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1143297 v2_10_2023_UK
Production: Uponor/ELO

Uponor reserves the right to change the product portfolio and the related documentation without prior notification, in line with its policy of continuous improvement and development.



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