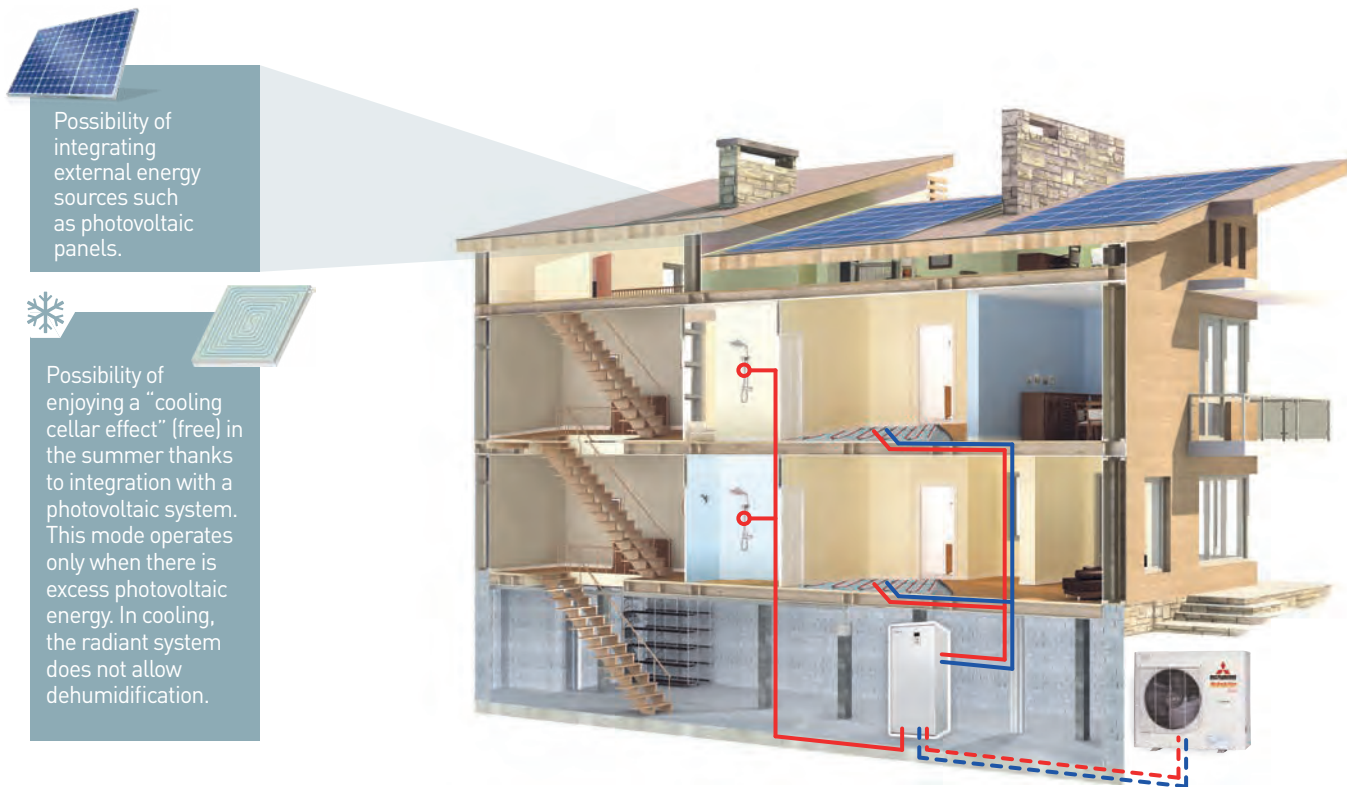# INDEPENDENT HOMES

Autonomous heating and DHW, through HYDROLUTION All in One

Possibility of integrating external energy sources such as photovoltaic panels.

Possibility of enjoying a "cooling cellar effect" (free) in the summer thanks to integration with a photovoltaic system. This mode operates only when there is excess photovoltaic energy. In cooling, the radiant system does not allow dehumidification.

underfloor heating

DHW combined with heating

cooling effect in summer

SYSTEM DESCRIPTION

The type of application illustrated in the figure above describes an independent home system in which the heating is composed of a HYDROLUTION system in All in One configuration with domestic hot water production combined with heating: the DHW tank that can be applied has a capacity of 180 litres.
HYDROLUTION produces hot water for heating up to a maximum temperature of 58°C. In this example, it is combined with low temperature radiant panels, which can also be used in summer to produce a 'cooling cellar effect'. This solution can always be paired with autonomous split systems. Can connect the RMU40M remote control with built-in room sensor.

CONTROL SYSTEM

The control panel can be used to program HYDROLUTION operation in heating/Silent/DHW mode.
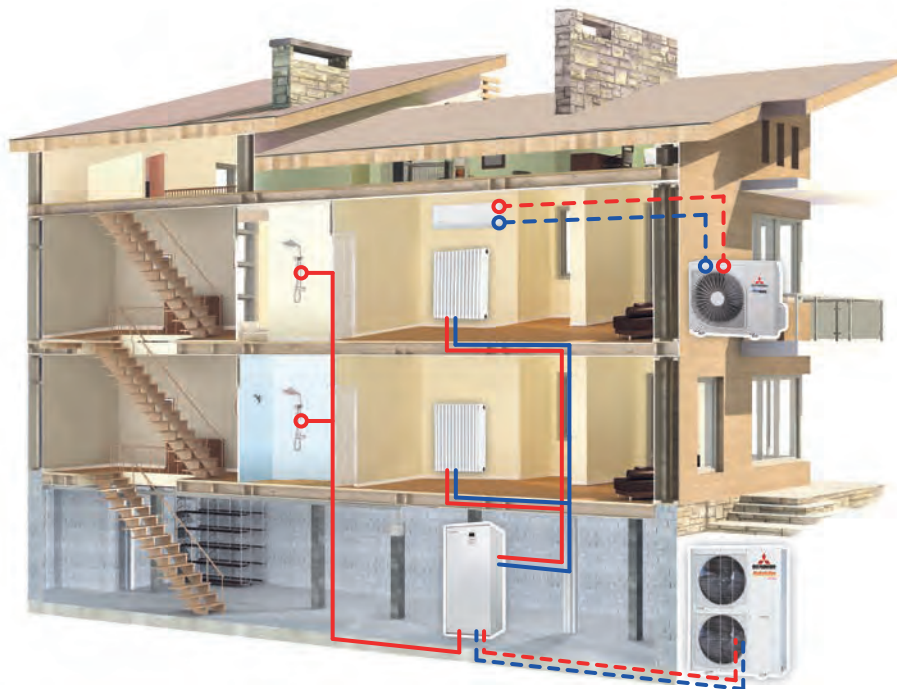More specifically, the control lets you:

- Create 3 daily operating programs in heating.
- Create 2 hourly operating programs in "Silent" mode.
- Reduce heating and suspend DHW production via the "Holiday" setting.
- Set the 3 control levels (economic, normal, luxury) for DWH production.
- Set the "Temporary luxury" function.
- Manage the integration of external energy sources.

Calculation according to UNI TS 11300-2

INDEPENDENT HOMES

Autonomous heating and DHW, through HYDROLUTION All in One and autonomous cooling with monosplit/multisplit systems

heating with high efficiency radiators

DHW combined with heating

autonomous cooling

SYSTEM DESCRIPTION

The type of application illustrated in the figure to the side describes an independent home system in which the heating is composed of a HYDROLUTION system in All in One configuration with domestic hot water production combined with heating: the DHW tank that can be applied has a capacity of 180 litres. HYDROLUTION produces hot water for heating up to a maximum temperature of 58°C. In this example, it is combined with medium temperature heating elements (radiators).

The cooling system is composed of a heat pump system (monosplit/multisplit systems) with outdoor units on the balcony.

Can connect the RMU40M remote control with built-in room sensor.

CONTROL SYSTEM

The control panel can be used to program HYDROLUTION operation in heating/Silent/DHW mode.

More specifically, the control lets you:

- Create 3 daily operating programs in heating.
- Create 2 hourly operating programs in "Silent" mode.
- Reduce heating and suspend DHW production via the "Holiday" setting.
- Set the 3 control levels (economic, normal, luxury) for DWH production.
- Set the "Temporary luxury" function.
- Manage the integration of external energy sources.

Calculation according to UNI TS 11300-2

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