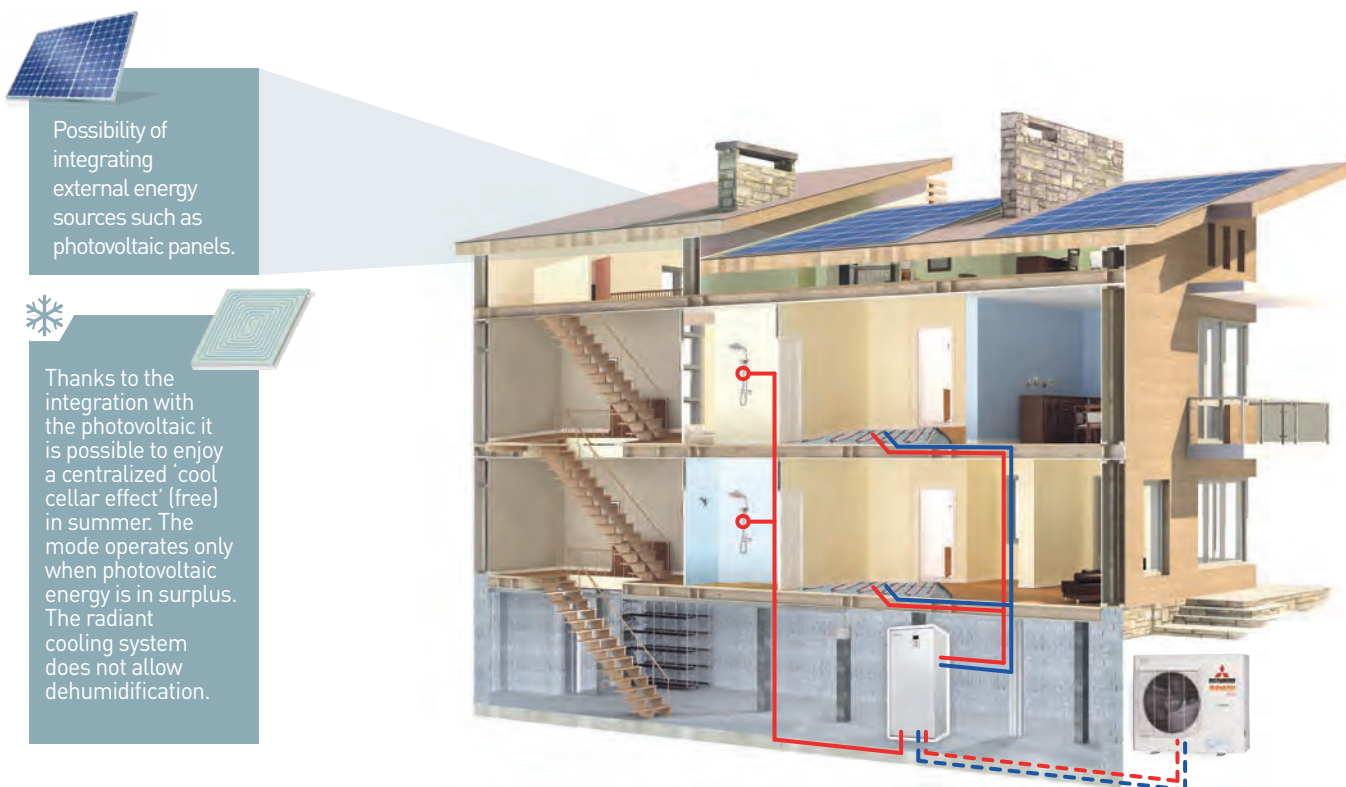


INDEPENDENT HEATING & DHW VIA HYDROLUTION ALL IN ONE



Possibility of integrating external energy sources such as photovoltaic panels.



Thanks to the integration with the photovoltaic it is possible to enjoy a centralized 'cool cellar effect' (free) in summer. The mode operates only when photovoltaic energy is in surplus. The radiant cooling system does not allow dehumidification.



floor heating



DHW combined with heating



cool effect in summer

DESCRIPTION OF THE SYSTEM

The application typology exemplified in the figure above describes the system in an independent home in which the heating consists of the HYDROLUTION system in All in One configuration with domestic hot water production combined with heating: the DHW tank has a capacity equal to 180 litres.

HYDROLUTION produces hot water for heating up to a maximum temperature of 60° C, in this example it is combined with low temperature radiant panels, which can also be used in summer to produce a 'cool cellar effect'.

This solution can always be combined with autonomous split systems. Possibility of connecting the RMU40M remote control with built-in room sensor.

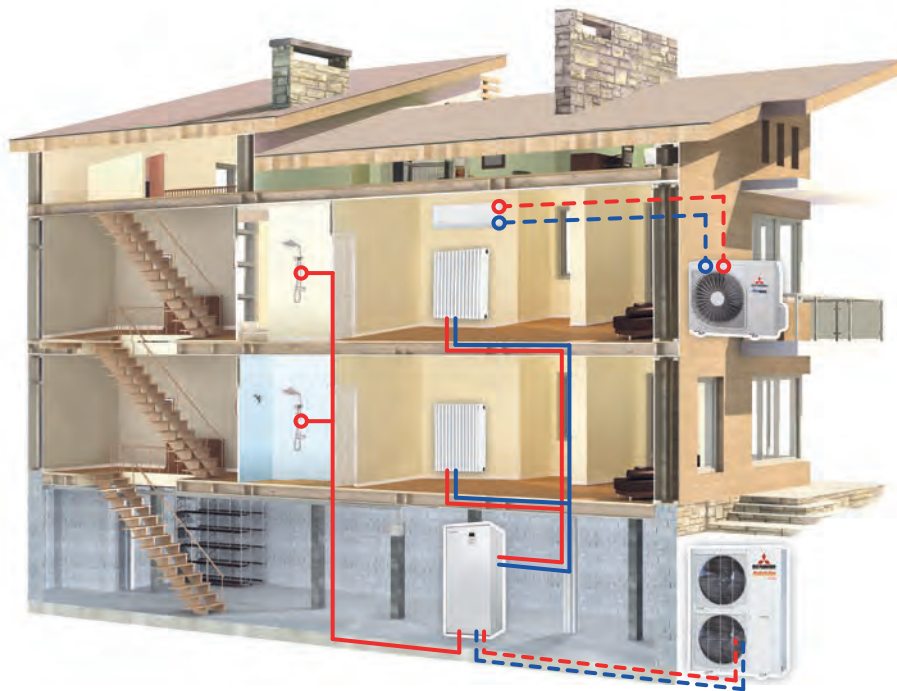
CONTROL SYSTEM

Through the control panel it is possible to program the operation of HYDROLUTION in heating/Silent/DHW mode.

Specifically, the control allows you:

- to create 3 daily heating operation programs;
- to create 2 time schedules for operation in 'Silent' mode;
- to attenuate the heating and suspend the production of DHW, via the 'Holidays' setting;
- to set 3 control levels (economy, normal, luxury) for DHW production;
- to set the 'Temporary luxury' function;
- to manage the integration of external energy sources.

AUTONOMOUS HEATING AND DHW VIA HYDROLUTION ALL IN ONE AND **AUTONOMOUS COOLING** WITH MONOSPLIT/MULTISPLIT SYSTEMS



heating with
high efficiency
radiators



DHW combined
with heating



autonomous
cooling

DESCRIPTION OF THE SYSTEM

The application typology exemplified in the adjacent figure describes the system in an independent home in which the heating consists of the HYDROLUTION system in All in One configuration with production of domestic hot water combined with heating: the DHW tank has a capacity equal to 180 litres. HYDROLUTION produces hot water for heating up to a maximum temperature of 60° C. In this example it is combined with medium temperature heating elements (high efficiency radiators).

The cooling system consists of a heat pump system (monosplit/multisplit systems), with an external unit on the balcony.

Possibility of connecting the RMU40M remote control with built-in room sensor.

CONTROL SYSTEM

Through the control panel it is possible to program the operation of HYDROLUTION in heating/Silent/DHW mode.

Specifically, the control allows you:

- to create 3 daily heating operation programs;
- to create 2 time schedules for operation in 'Silent' mode;
- to attenuate the heating and suspend the production of DHW, via the 'Holidays' setting;
- to set 3 control levels (economy, normal, luxury) for DHW production;
- to set the 'Temporary luxury' function;
- to manage the integration of external energy sources.