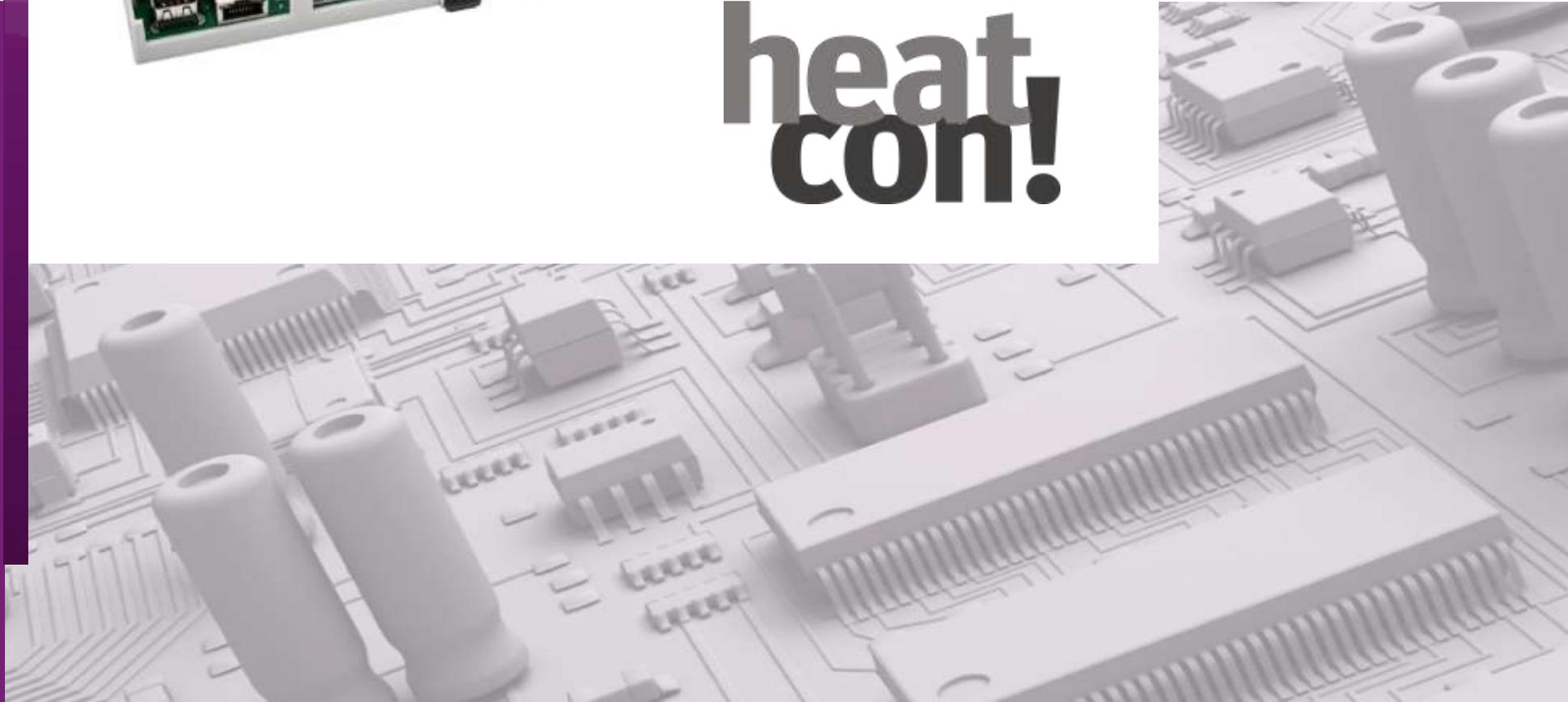


heatcon!
setpoint
generation

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Formation of the requirement value

OT control with or without room temperature influence

Request formed from:

- Average outside temperature
- Climate zone
- Heating system
- Heating curve (steepness)
- Room setpoint temperature
- Room actual temperature
- Room factor

Heating circuit

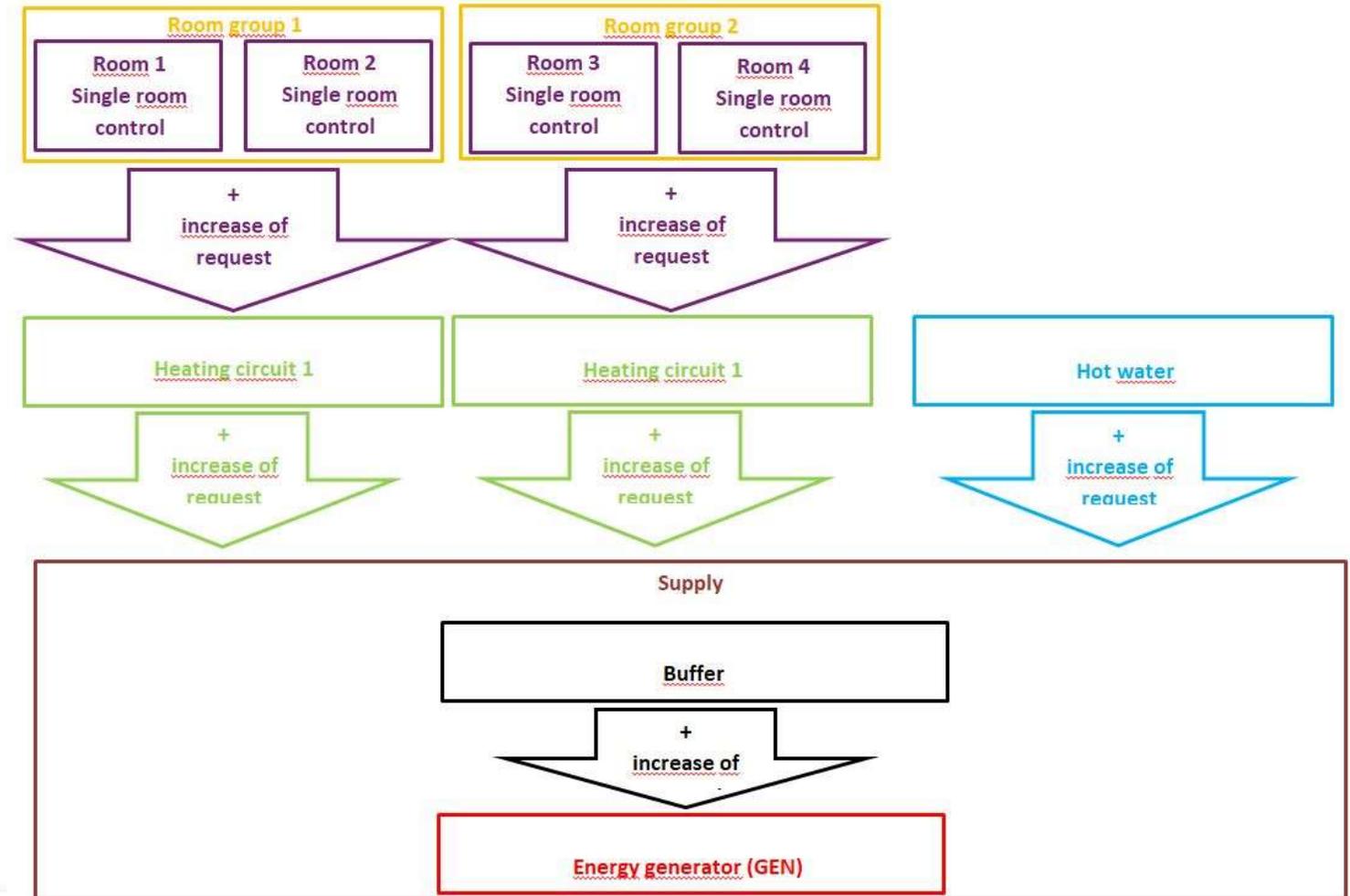
- Request inside
- Minimum limitation
- Maximum limitation

Buffer

- Request inside
- Minimum limitation
- Maximum limitation

Energy generator (GEN)

- Request inside
- Minimum limitation
- Maximum limitation



Formation of the requirement value

Room control

Request formed from:

- Room setpoint temperature
- Room actual temperature
- Gain factor Δ

Dynamic adaptation via adjust and scan time

Heating circuit

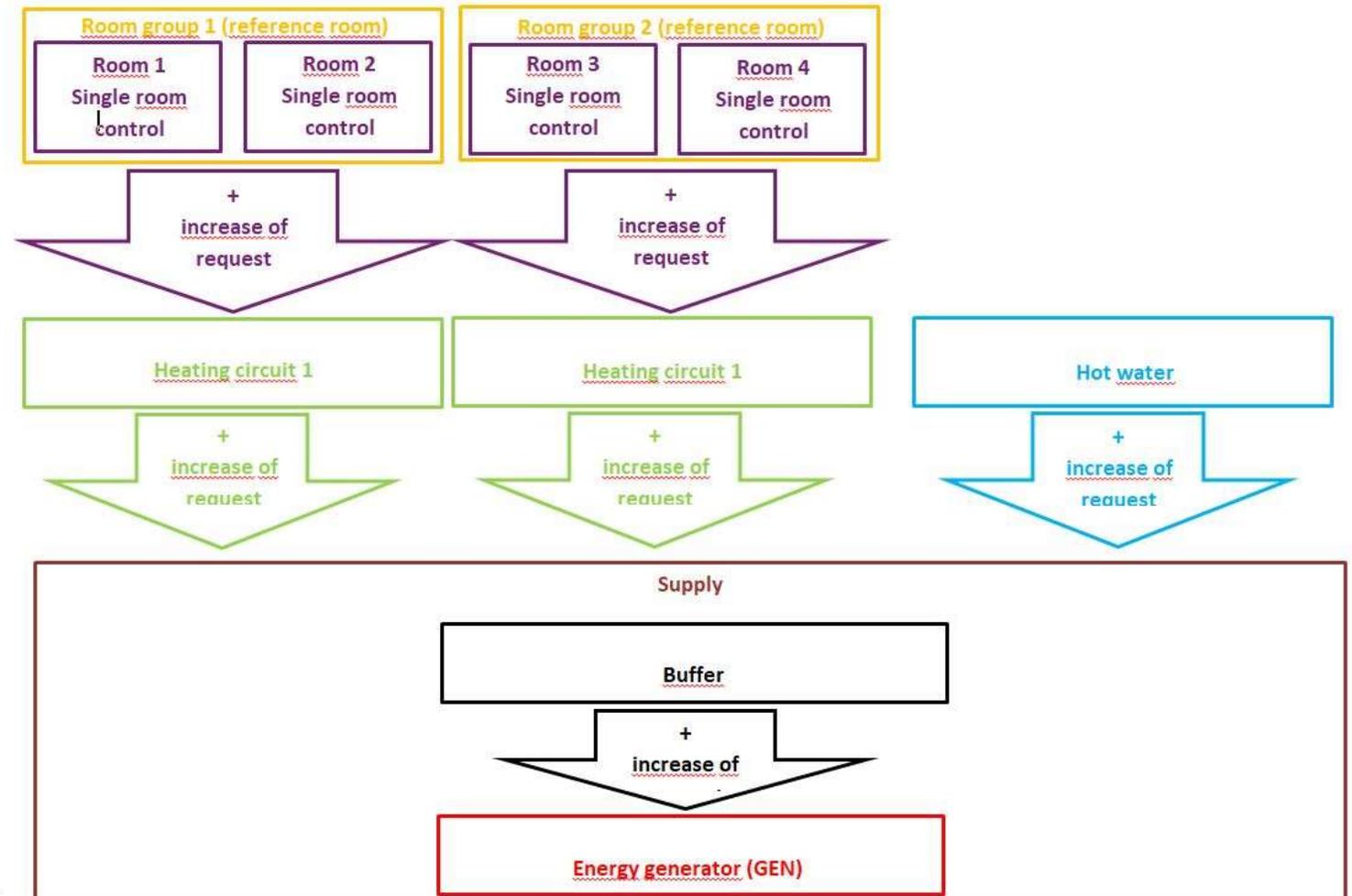
- Request inside
- Minimum limitation
- Maximum limitation

Buffer

- Request inside
- Minimum limitation
- Maximum limitation

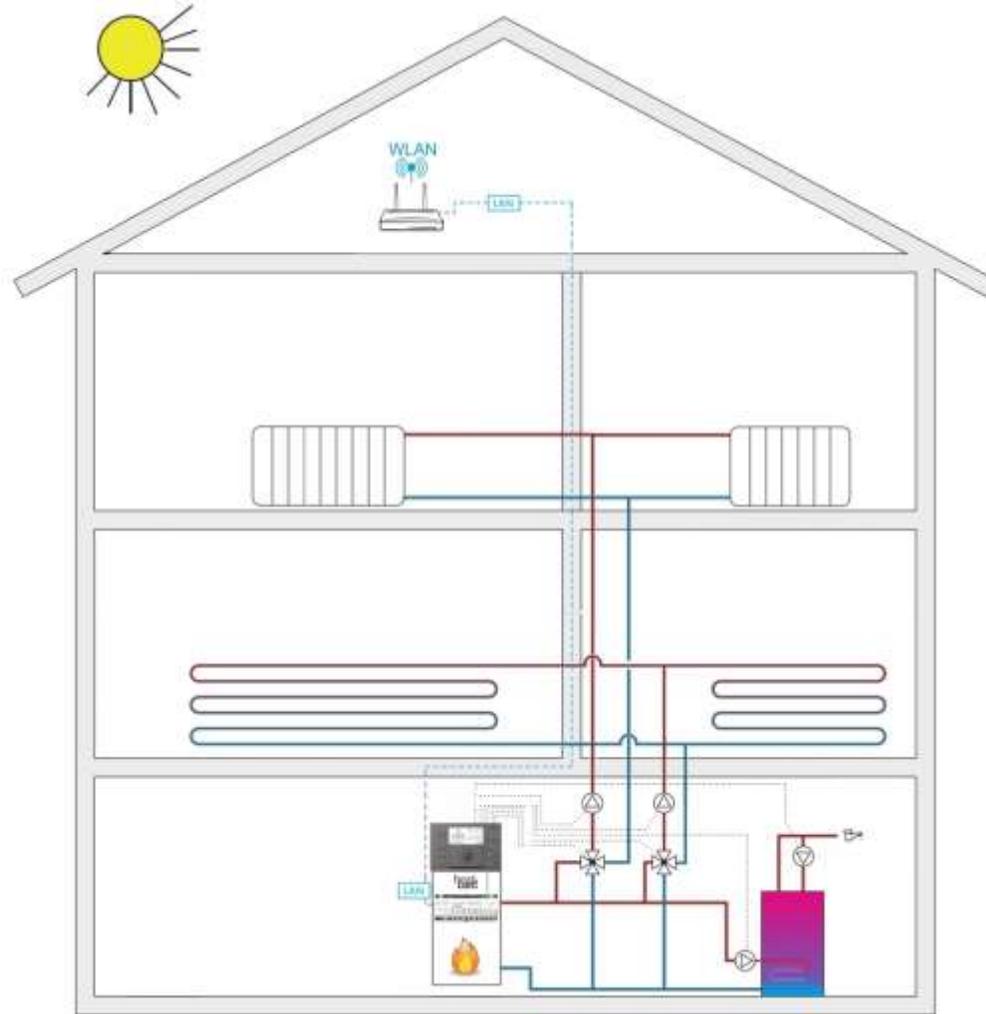
Energy generator (GEN)

- Request inside
- Minimum limitation
- Maximum limitation



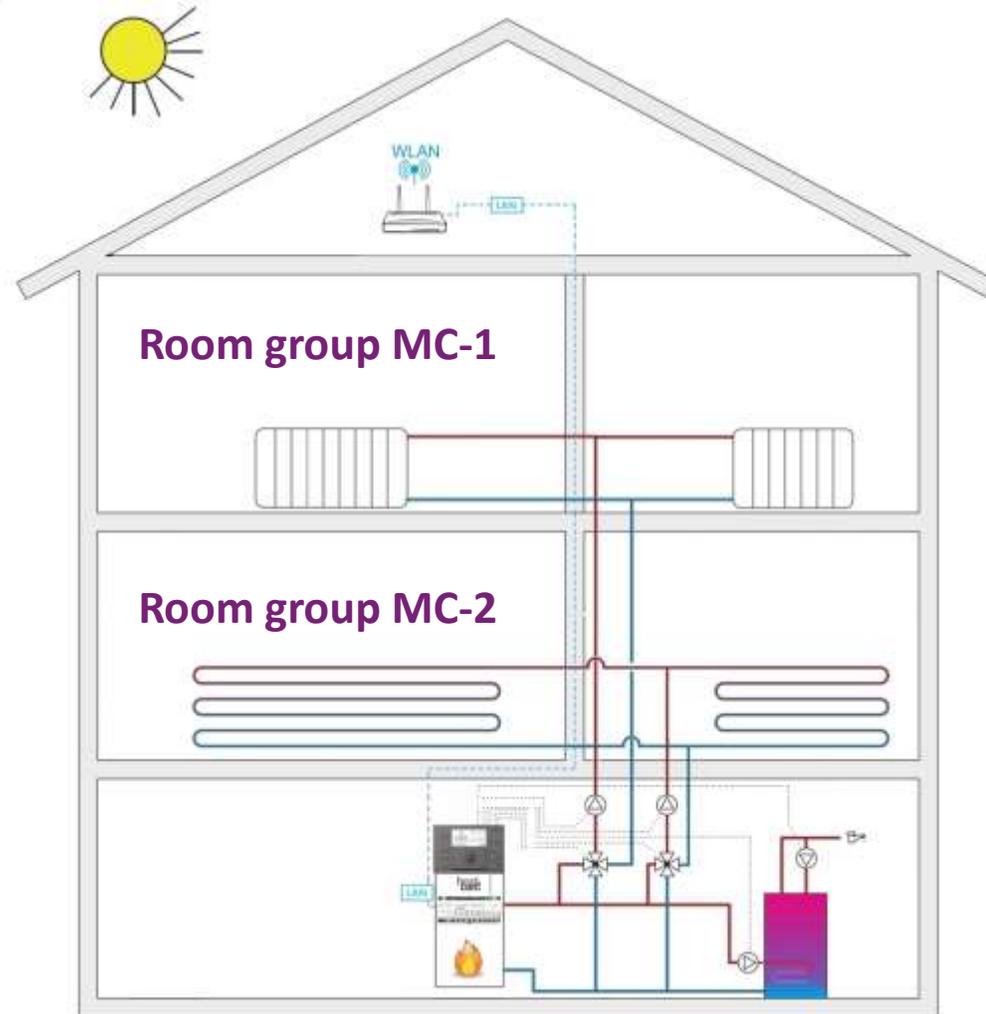
Request value

Energy generator
2x mixed heating circuits
Hot water circuit

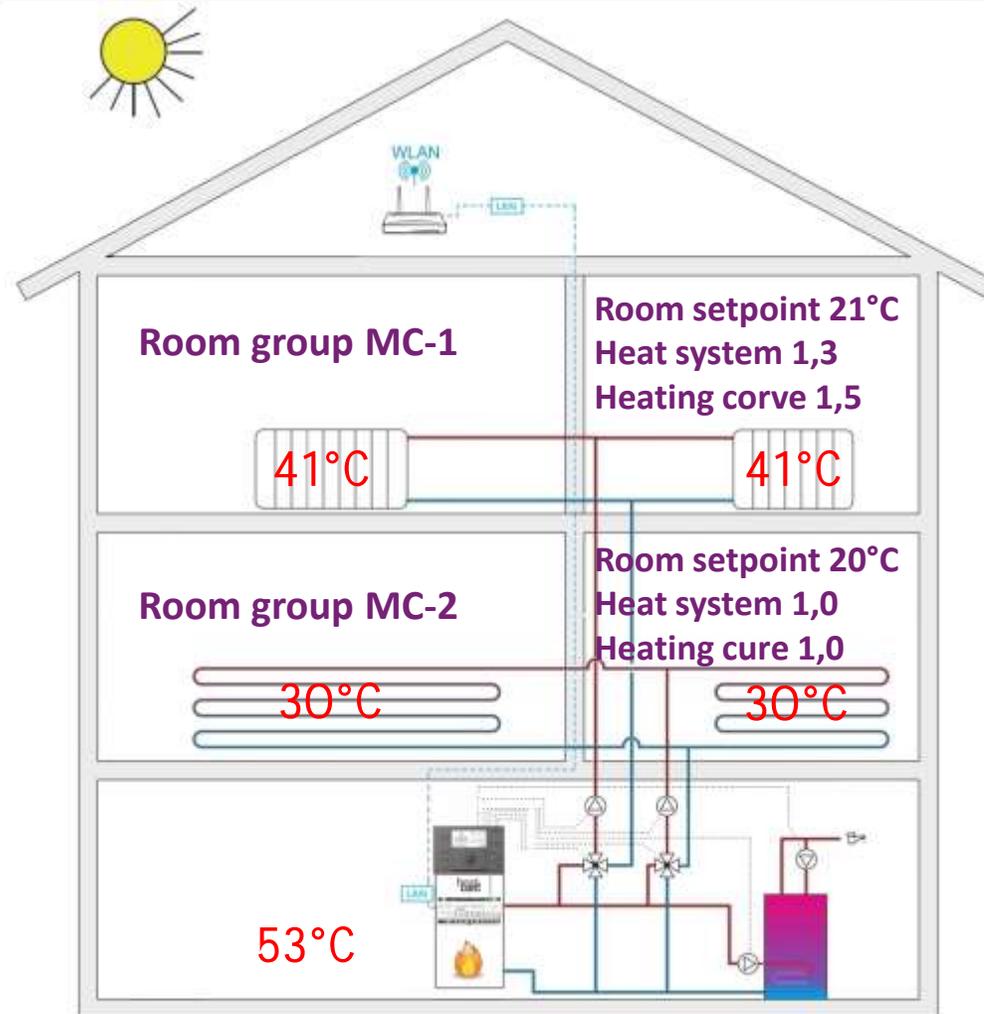
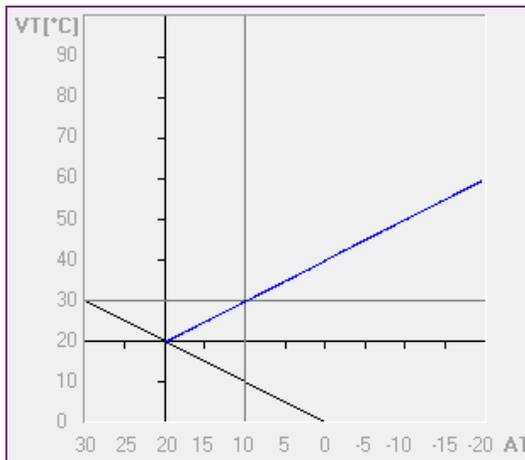
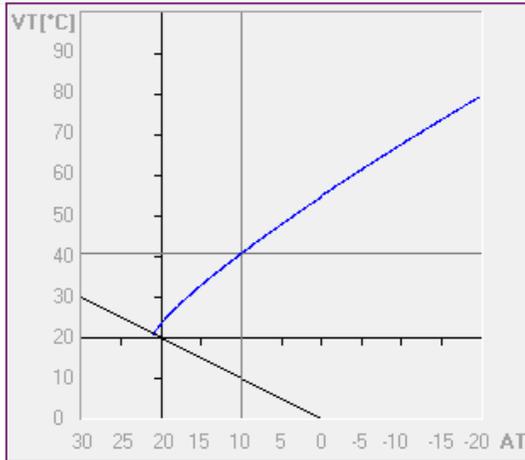


Request value

Energy generator
2x mixed heating circuits
Hot water circuit



Request value

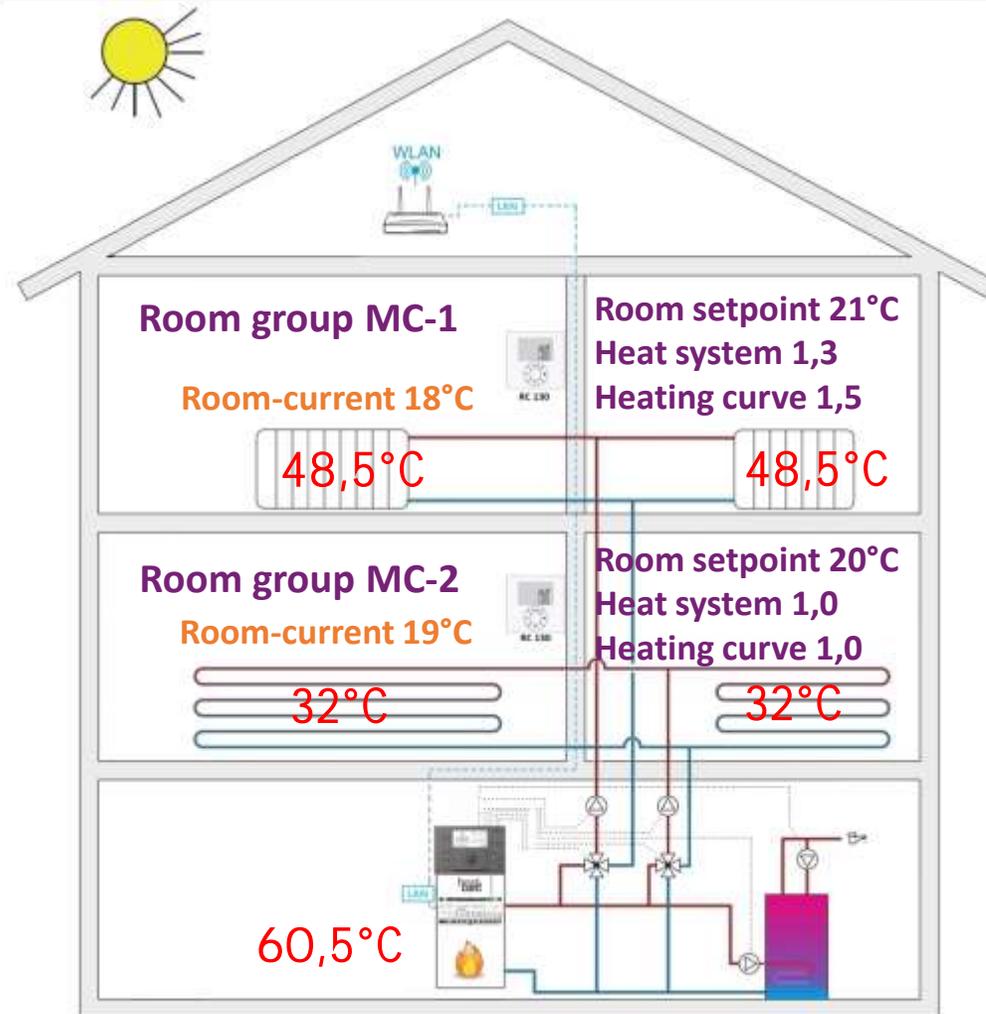
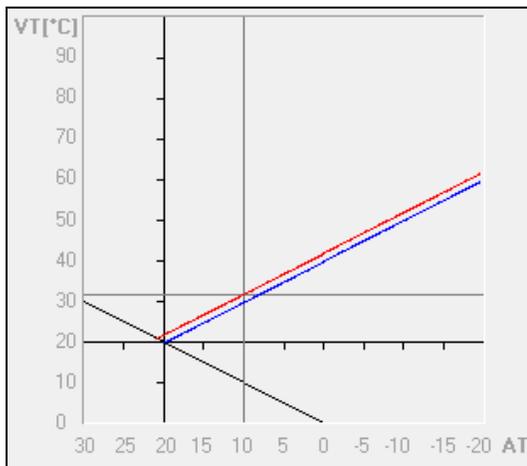
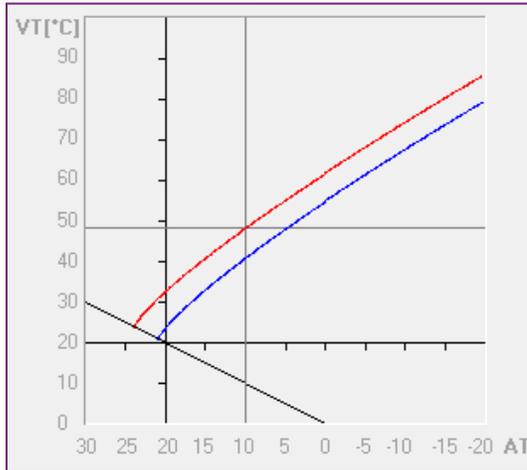


Weather control (OT-control)

e.g.
Average outside temperature (+10°C)
Climate zone (-12°C)
Heating curve (steepness) + heat system
Room setpoint temperature

The highest requirement is executed by the GEN.
Here, for example 41°C
+
Increased requirement for room group e.g. 4K
+
Increased requirements heating circuit e.g. 8K

Request value



Weather control (OT-Control) with RC 130 (room influence)

e.g.

Average outside temperature (+10°C)

Climate zone (-12°C)

Heating curve (steepness) + heat system

Room setpoint temperature

Room current temperature

Room factor(100%)

The highest requirement
is executed by the GEN.
Here, for example 48,5°C

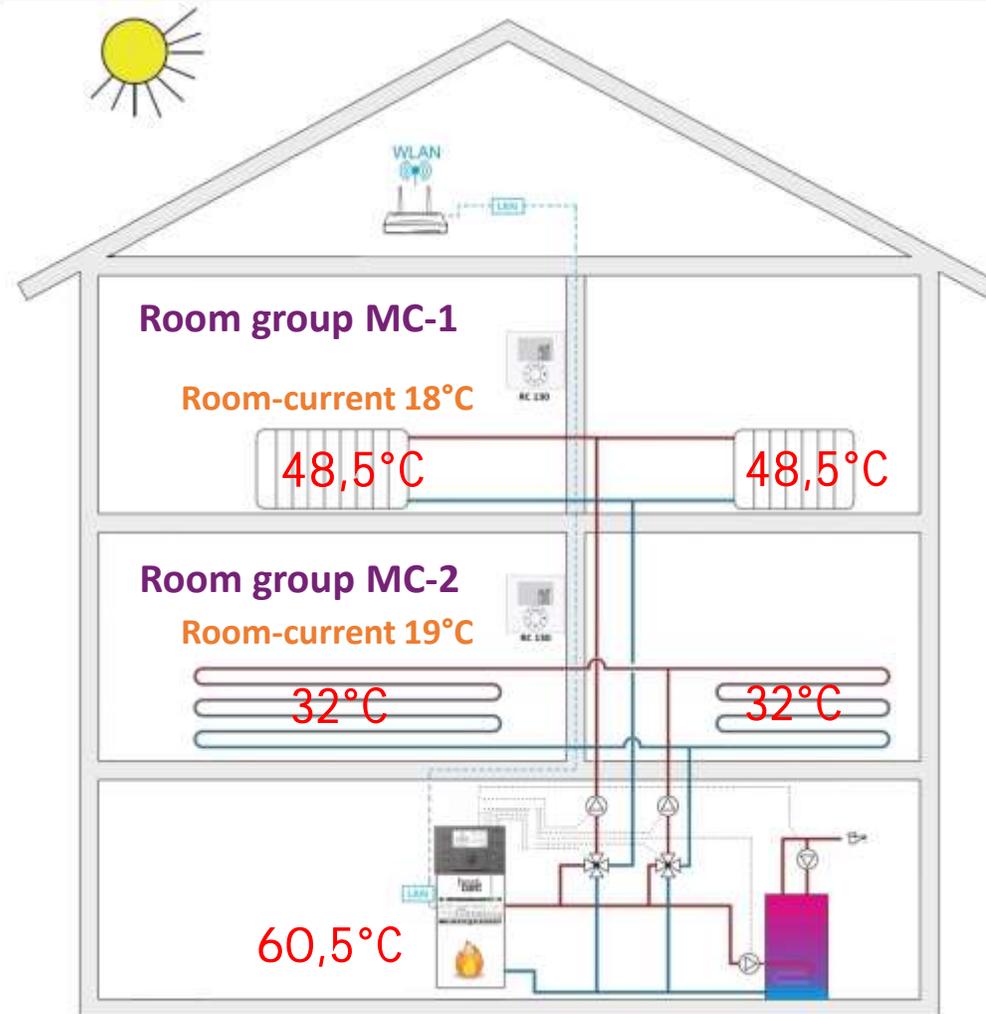
+

Increased requirement for
room group e.g. 4K

+

Increased requirements
heating circuit e.g. 8K

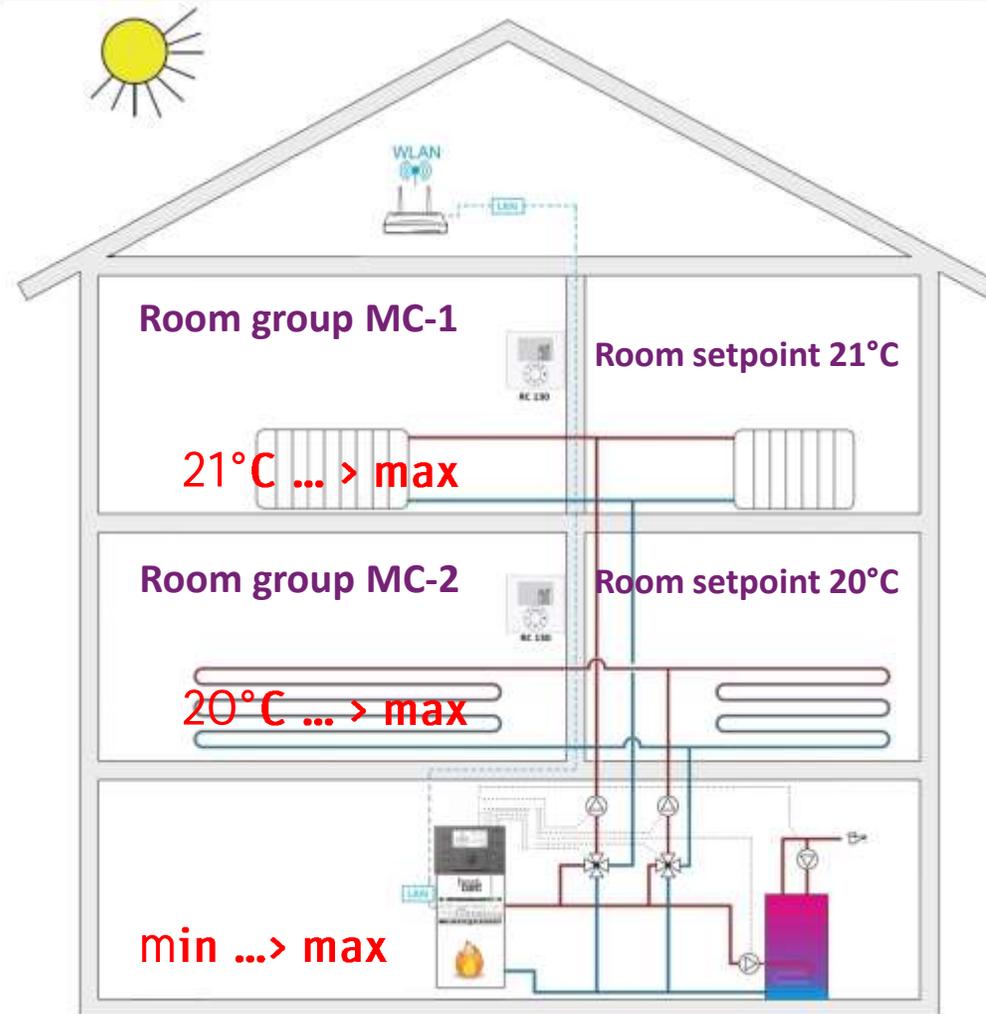
Request value



Weather control (OT-Control)
with RC 130 (room influence)

The calculated setpoints can be
restricted by minimum- / maximum
limitation of
heating circuit and
GEN.

Request value



Room control with RC 130

z.B.

Room setpoint temperature
Room current temperature
Regulation gain
Regulation adjust time
Regulation scan time

The highest requirement
is executed by the GEN.
+
Increased requirement for
room group e.g. 4K
+
Increased requirements
heating circuit e.g. 8K

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