

Block CTRLROOM

The CTRLROOM block controls the room air temperature through convective heat fluxes (heating or cooling) onto the air node.



CTRLROOM

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Inputs

- 1 Room air temperature / °C
- 2 Setpoint min. room temperature / °C
- 3 Setpoint max. room temperature / °C

Outputs

- 1 Convective heating (positive) or cooling (negative) power / W
- 2 Radiative heating (positive) or cooling (negative) power / W

Parameters

- 1 Nominal heating power / W
- 2 Convective/radiative heating power ratio (0: purely radiative, 1: purely convective)
- 3 Heater type
 - 0 On/Off
 - 1 Continuous
 - 2 TBD
- 4 Nominal cooling power / W
- 5 Convective/radiative cooling power ratio (0: purely radiative, 1: purely convective)
- 6 Cooler type

- 0 On/Off
- 1 Continuous
- 2 TBD
- 7 Power tolerance / W
- 8 Maximum number of iterations
- 9 Failure power / W

Strings

None
