Block CTRLROOM

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





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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