Block Q4PH

The Q4PH block implements by a four-parameter model typically used for heating-demand calculations of buildings.



Q4PH

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Inputs

1 Ambient temperature T_a / °C

Outputs

1 Heating demand Q_h / kWh

Parameters

1 Heating base load Q_hb / kWh
2 Heating change-point temperature T_h / °C
3 Heating slope α_h / kWh K^{-1} (usually negative)
4 Baseload slope α_{hb} / kWh K^{-1} (usually negative)

Strings

None