

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
