

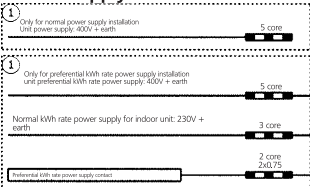
Electrical connection diagram Daikin Altherma Ground Sourced

For more details please check unit wiring diagram

Note:

In case of signal cable keep minimum distance to power cables > 5cm

Power supply



Standard parts

Indoor unit

X1M: L1-L2-L3-N-Earth

X2M: 30-31-Earth

X5M: 3-4

X5M: 11-12

2 core

Signal

Outdoor ambient sensor,
*KRCA1

Field supply

Only for *KRP1HB*

A4P: Y1

X2M: 29

Alarm output

2 core

230 V

Alarm indication

A4P: X1-X2

Changeover to ext. Heat source output

2 core

Signal

Ext. heat source (gas/biom)

A4P: Y2

X2M: 29

Space heating ON/OFF output

2 core

230 V

Space heating ON/OFF output

X2M: 34-35

2 core

230 V

Circulation pump for DHW

NO valve: X2M: 6-7

NC valve: X2M: 5-7

2 core

230 V

Shut off valve
Main zone shut off valve

X5M: 7-8

2 core

Signal

Electricity meter pulse input 1

X5M: 9-10

2 core

Signal

Electricity meter pulse input 2

Only for KRCS01-1

X5M: 5-6

2 core

230 V

External indoor ambient
thermostat

External room thermostat / Heat pump convactor

(Main and/or additional zone)

Optional part

②

Main: X2M: 1-4

Add: X2M: 1a-4

2 core

230 V

Only for *KRTW*
(wired room thermostat)
A3P: X1M: com-H

②

Main: X2M: 1-3-4

Add: X2M: 1a-3-4

4 core

230 V

Only for *KRTB*
(Wireless room thermostat)
A4P: X1M: H-room
X2M: L-H

A3P: X1M: 1-3

2 core (3m
included)

Signal

Only for *KRTETS*
K21 External sensor
(floor or ambient)

②

Main: X2M: 1-4

Add: X2M: 1a-4

2 core

230 V

Only for
(Heat pump convactor)
X11M: 5-6

X5M: 1-2

2 core

2x0.75

communication

In case user interface is relocated
*KRP-F102 User interface

Optional part

Only for *KRUCBL*

2 core

2x0.75

communication

*KRP-F102 User interface

Field supply

Only for *KGSC-CHASB1*

Pressure switch within bitine
side

2 core

Signal

X7M: 1 - 2

Field supply

Only for *KRP1AHTA

Power limitation demand
input 1

2 core

230V

A8P: XB01M: 1-5

Power limitation demand
input 2

2 core

230V

A8P: XB01M: 2-5

Power limitation demand
input 3

2 core

230V

A8P: XB01M: 3-5

Power limitation demand
input 4

2 core

230V

A8P: XB01M: 4-5