



ADDENDUM TO HEATER KIT INSTALLATION AND OPERATION MANUAL

Connection to a benefit kWh rate power supply

EKBUHAA6V3
EKBUHAA6W1

The English text is the original instruction. Other languages are translations of the original instructions.

INTRODUCTION

The EKHBDR indoor unit can be connected to a benefit kWh rate power supply. Refer to the indoor unit installation manual for details regarding the benefit kWh rate power supply.

Select the desired configuration in function of the requirement to allow heater operation during benefit kWh rate power supply or not.

Configuration	Heater operation is possible after receiving the benefit kWh rate signal	Heater kit power supply
A	Yes	Normal kWh rate power supply
B	No	Benefit kWh rate power supply or normal kWh rate power supply

CONFIGURATION A

When a heater kit is connected to the EKHBDR indoor unit, the indoor unit will go **in emergency mode automatically** after receiving the benefit kWh rate signal of the electricity company to go in forced off mode. During emergency mode, heating is done by the heater kit, not by the heat pump. For this reason the heater kit should be connected to a **normal kWh rate power supply**. Connecting the heater kit to a benefit kWh rate power supply could result in unwanted errors between the heater kit and the indoor unit.

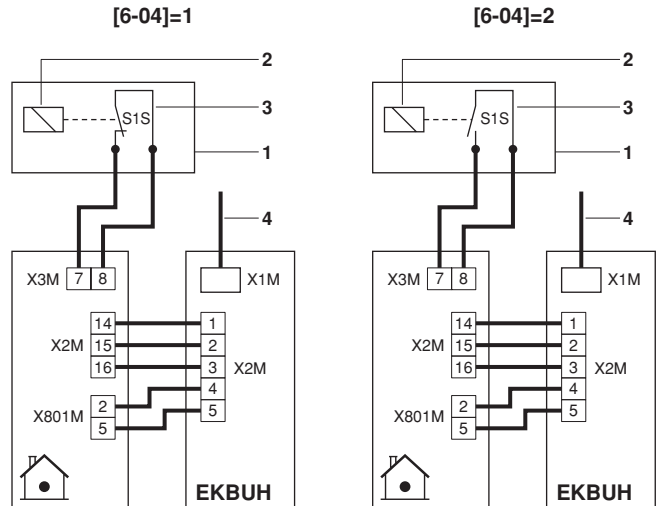
In case automatic switching to emergency mode after receiving the benefit kWh rate signal to go in forced off mode is not desired or in case the heater kit is preferred to be connected to a benefit kWh rate power supply, the heater kit must be installed according to configuration B.

Field wiring configuration A

NOTE



Only relevant field wiring is shown. Refer to the indoor unit installation manual and heater kit installation and operation manual for full wiring details.



- 1 Benefit kWh rate power supply box
- 2 Receiver controlling the signal of the electricity company
- 3 Voltage free contact (normally opened or normally closed)
- 4 Heater kit power supply: **normal kWh rate power supply allowed only**

[6-04] Field settings: Benefit kWh rate power supply mode
Set [6-04] to 1 to use benefit kWh rate power supply mode 1 (normally closed contact which will open when the power supply is interrupted), or set [6-04] to 2 to use benefit kWh rate power supply mode 2 (normally opened contact which will close when the power supply is interrupted).
Refer to the indoor unit installation manual for more details.

CONFIGURATION B

To prevent heater kit operation after the EKHDRD indoor unit received the benefit kWh rate signal of the electricity company to go in forced off mode, an auxiliary relay K10A is to be installed (field supply).

This relay blocks the heater control signals.

In this configuration the heater kit can be powered by a normal kWh rate power supply or by a benefit kWh rate power supply.

NOTE



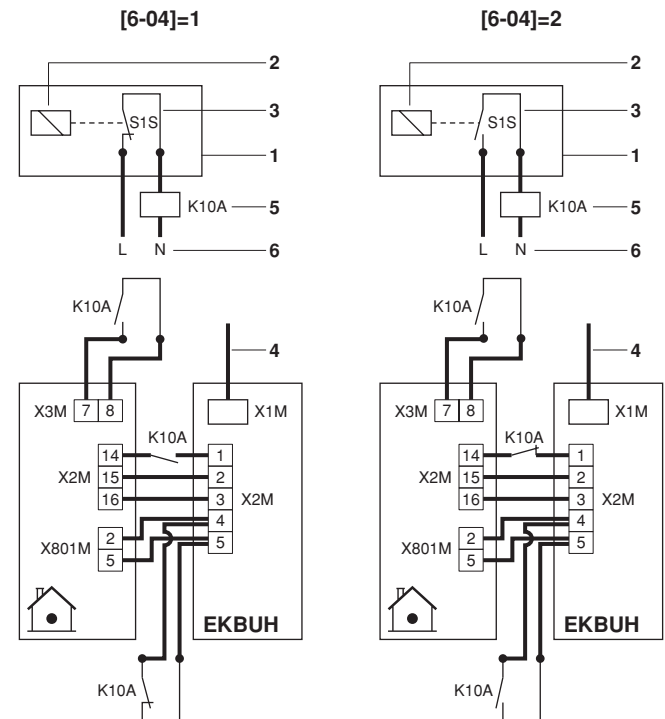
In this configuration the voltage free contact from the benefit kWh rate power supply box is not directly connected to the indoor unit anymore.

Field wiring configuration B

NOTE



- Only relevant field wiring is shown. Refer to the indoor unit installation manual and heater kit installation and operation manual for full wiring details.
- Wiring of K10A contacts depends on the type of voltage free contact of the receiver controlling the signal of the electricity company.



- Benefit kWh rate power supply box
- Receiver controlling the signal of the electricity company
- Voltage free contact (normally opened or normally closed)
- Heater kit power supply: **benefit kWh rate power supply or normal kWh rate power supply allowed**
- K10A: auxiliary relay (field supply)

Minimum contact requirements:

type	2 normally opened contacts, 1 normally closed contact
load	1 A at 250 VAC (inductive load)
operating voltage	250 VAC

- K10A coil power supply: **normal kWh rate power supply allowed only**

[6-04] Field settings: Benefit kWh rate power supply mode
Set [6-04] to 1 to use benefit kWh rate power supply mode 1 (normally closed contact which will open when the power supply is interrupted), or set [6-04] to 2 to use benefit kWh rate power supply mode 2 (normally opened contact which will close when the power supply is interrupted).
Refer to the indoor unit installation manual for more details.

