

BRP070A81, BRP070A82

Installation manual - Demand adaptor

Safety precautions













WARNING

Failure to follow these instructions properly may result in personal injury or loss of life.

- Be sure to turn off the circuit breaker before installing this kit.
- Do not turn on the circuit breaker before the installation is complete.
- When installing, refer also to the installation manual and wiring diagram for the outdoor unit.

Accessories

Ⓐ	Demand adaptor electrical parts assembly		1×
Ⓑ	Tie wrap (long)		3×
Ⓒ	Tie wrap (short)		3×
Ⓓ	Tapping screw M4×8		2×
Ⓔ	Resin clamp		2×

Ⓕ	Wire harness (power supply)		1×
Ⓖ	Wire harness (communication)		1×
Ⓗ	Installation manual		1×
Ⓙ	Wiring diagram		1×
Ⓚ	Sealing material		3×

Note for screws

Use screwdriver type:

- PH2 - for screws on the outdoor unit and for tapping screws (D)
- PH0 - for terminal screws on "demand input terminal board"

Demand communication cable specification (field supply)

Only use harmonised wire providing double insulation and suitable for applicable voltage 2-core cable, Minimum size 0.5~1.5 mm², Maximum length 30 m

Symptom that is NOT a system malfunction

Symptom: The unit stops during operation and it is not possible to turn it on using the controller.

Check the indicator on the Steuerbox. If the indicator is ON, the electric grid operator has temporarily limited the device.

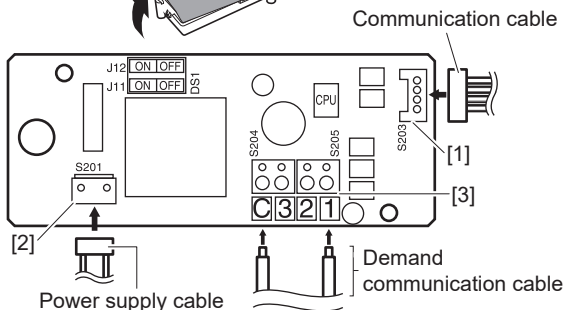
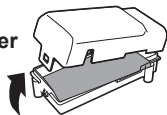


System overview

This kit is used to configure demand control (forcibly stops the compressor) for the outdoor unit.

Names and functions of parts - Demand adaptor PCB (printed circuit board)

Open cover



[1] S203 connector

Transmits signals to the printed circuit board (PCB) of the outdoor unit.
Connect the communication cable.

[2] Power supply connector (S201)

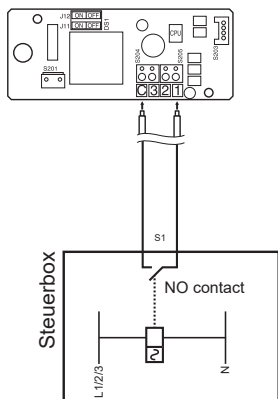
Connects to the power terminal block of the outdoor unit to supply power.
Connect the power supply cable.

[3] Demand input terminal board (S204, S205)

Receives signal from Steuerbox for demand control.

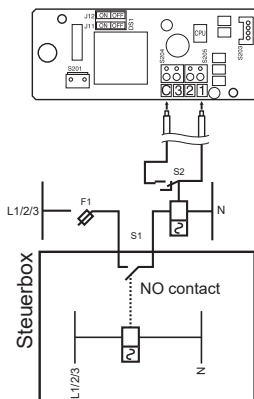
Installation procedure

To Steuerbox with specified low contact current ($I_{\min} < 5 \text{ mA}$)



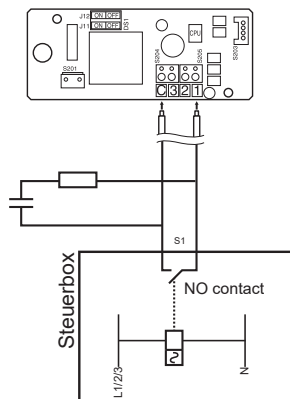
To Steuerbox with NOT specified low contact current ($I_{\min} < 5 \text{ mA}$)

Add low signal relay with low contact current ($I_{\min} < 5 \text{ mA}$)



To Steuerbox with NOT specified low contact current ($I_{\min} < 5 \text{ mA}$)

Add RC circuit: $C = 100 \text{ nF}$, $R = 56 \Omega$, $P = 0.5 \text{ W}$



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For installation instructions on **how to connect to the outdoor unit**, scan the QR code to access the website with installation manuals.