



# Danfoss PR-SC4K Direct Telemetry Kit Installation Guide

[Home](#) » [Danfoss](#) » Danfoss PR-SC4K Direct Telemetry Kit Installation Guide 

## Contents

- [1 Danfoss PR-SC4K Direct Telemetry Kit](#)
- [2 Hardware installation](#)
- [3 Protection box](#)
- [4 Power cable and status LED](#)
- [5 ProsaLink App](#)
- [6 Hand over to end user](#)
- [7 Documents / Resources](#)
  - [7.1 References](#)
- [8 Related Posts](#)

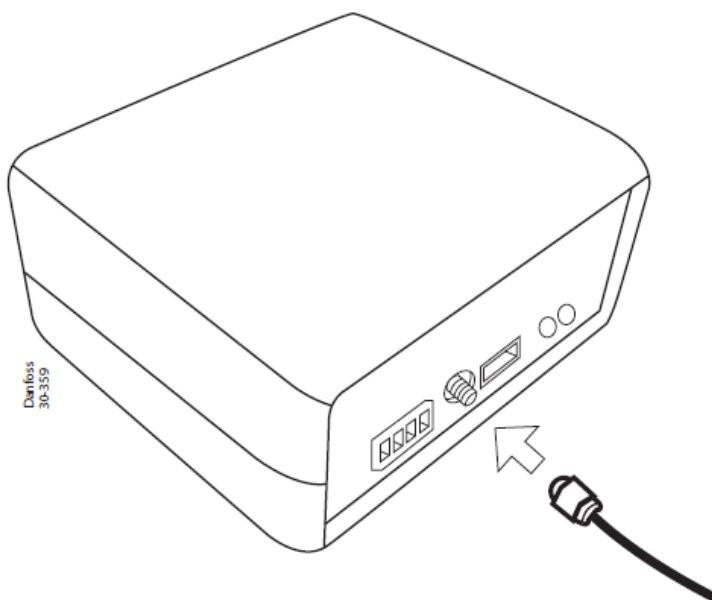


**Danfoss PR-SC4K Direct Telemetry Kit**



## Hardware installation

### Antenna



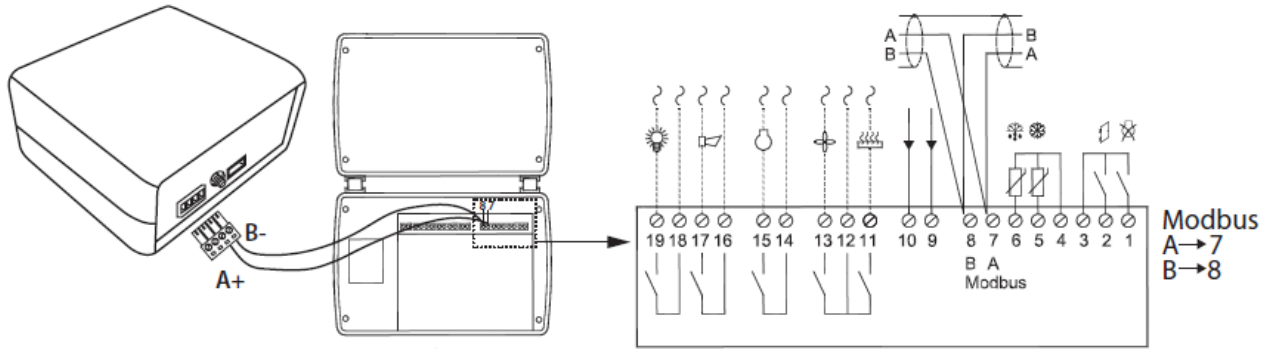
PR-ANTGLASS LTE 30 2J5024P Antenna

**Optional** Antenna PR-ANTGLASS LTE 200 – 300B0131

**Optional:** 2 m long antenna in case of poor signal

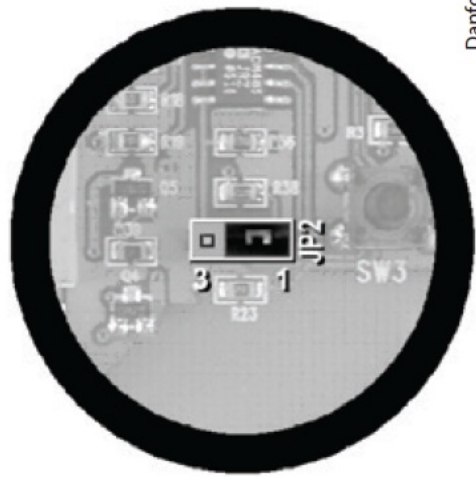
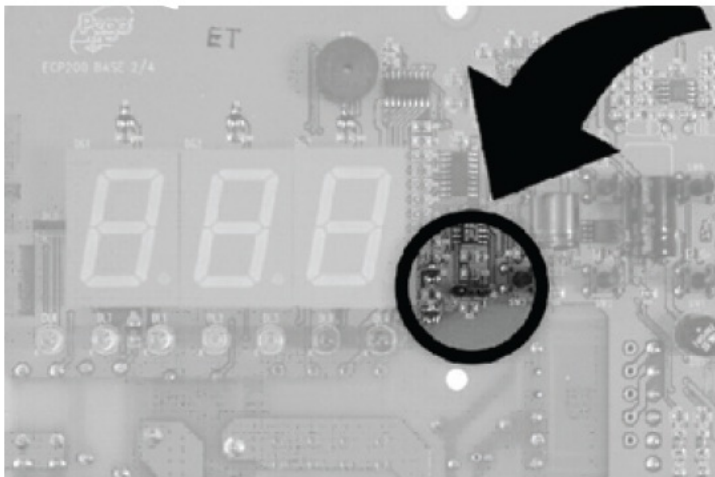
**Note:** do not install antenna on metallic surface

## Optyma™ Control (AK-RC 101/111/103/113) MODBUS connection



**Note:**

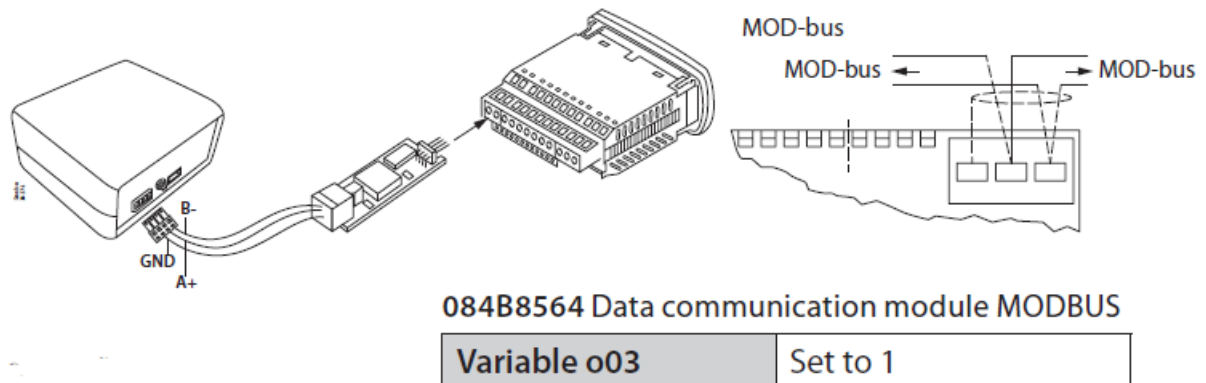
- **Variable bdr** Set to 7 (default in 101/103)
- **Variable Ad** Set to 1
- **Variable AU** Set to 7 (only for 101/103)

**Only for 101/103**

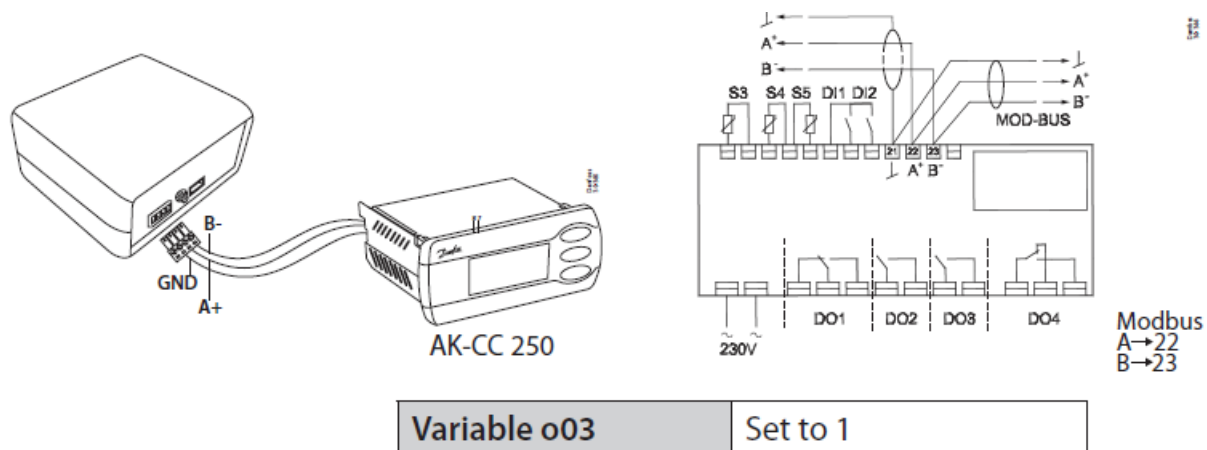
Danfoss:  
30-364

Move JP2 in position 3-2 for MODBUS communication

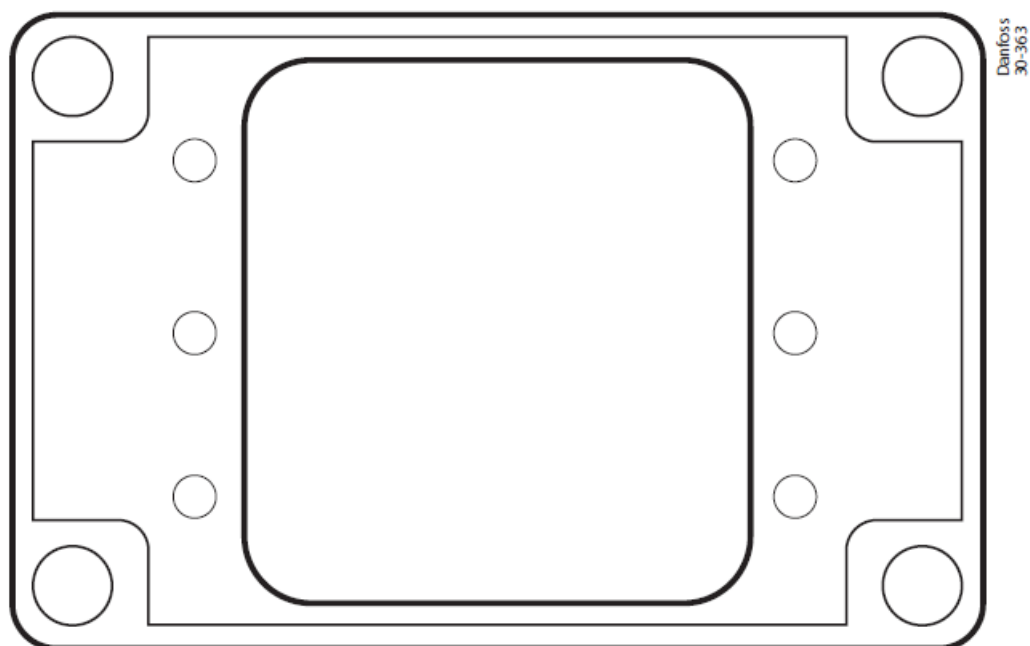
## AK-CC 210 MODBUS connection



## AK-CC 250 MODBUS connection



## Protection box

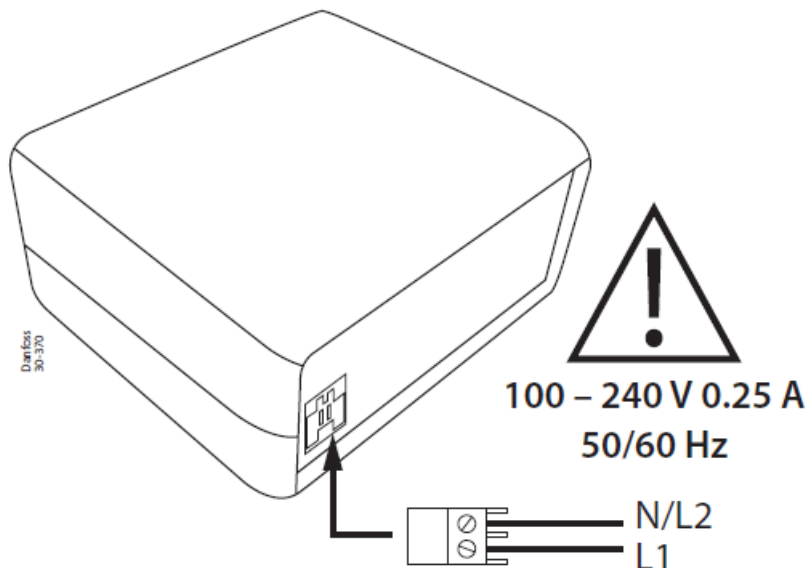


Use cable glands to maintain the IP65

## Note:

Remember to use twisted pair cable and terminate via resistor in case of long Modbus connection. If in doubt, please look at the Design Guide for Data Communication between ADAP-KOOL® Refrigeration Controls

## Power cable and status LED



## Red LED

- **On:** Power ON
- **Off :** Power Off (No power)
- **Blinking:** No communication with controller (or temporary condition during firmware update)
- **Fast blinking:** Lost communication with controller
- **Green LED** (after few seconds from power ON)
- **On:** Signal OK
- **Off:** no or poor signal
- **Blinking:** attempting signal connection

## ProsaLink App

### App download

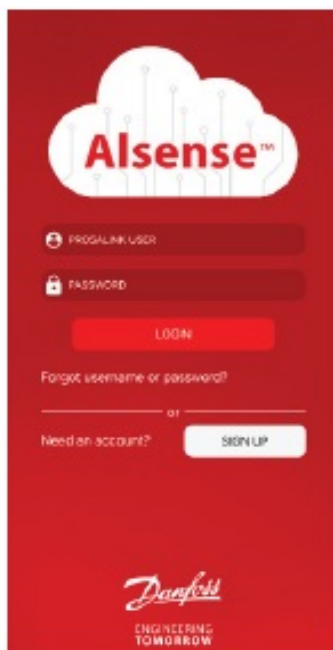
Android V5.0 or later



iOS 11 or later



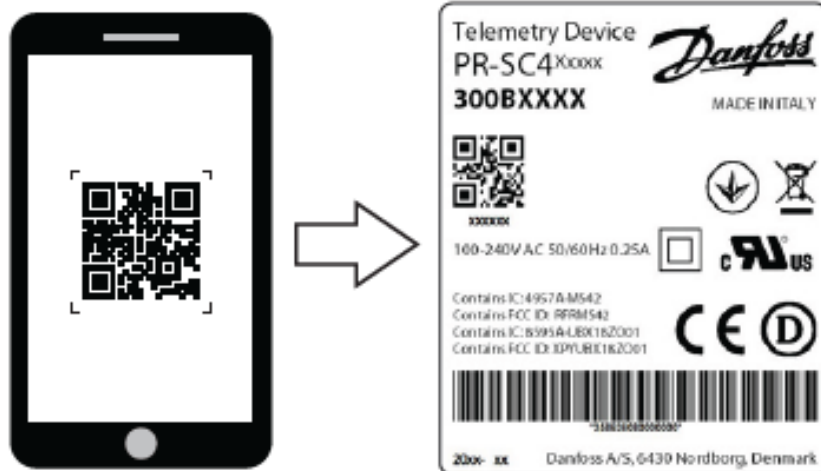
## Installation



### Follow automatic steps to

Register yourself and activate the device by scanning QR code as seen to the right. Configure your installation. For more information [www.prosa.danfoss.com](http://www.prosa.danfoss.com)

### Scan the QR code on the label



### Hand over to end user

- In case you did the configuration for somebody else and captured his email address, he will receive an email with instructions on how to download, register in and use ProsaLink App.
  - First month of subscription is free of charge. Installers benefit from free access to ProsaLink and web server.
  - Be sure you have activated your alarms (refer to My account \ notifications).
- Notifications are sent to your own credentials & E mails to your registered Email address.

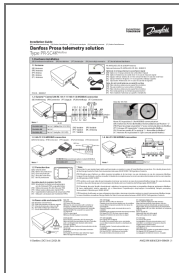
### WARNINGS

- Installation of PR- SC4 mode:
  - embedded into the equipment or installed in a protected enclosure (secure, no risk of electric shock)

- while the equipment is unplugged
- with double insulated cable
- by qualified and skilled technicians only
- Operating temperature: Min. 0 °C, Max. 70 °C
- Ensure use of the Services is legal in the country where you reside, including specific usage and place of usage (mobile communication might be subject to certain restrictions)

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2021.06

## Documents / Resources



[Danfoss PR-SC4K Direct Telemetry Kit](#) [pdf] Installation Guide  
PR-SC4K, Direct Telemetry Kit, PR-SC4K Direct Telemetry Kit

## References

- [Refrigeration IoT solutions | Danfoss](#)