



**Number:** 222340193/AA/00  
**Issue Date:** 24 October 2022  
**Expiration Date:** -  
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## UKCA TYPE EXAMINATION CERTIFICATE (Module B)

In compliance with the procedure specified in M009, Kiwa Ltd. declares as approved body for UKCA 0558 for the Radio Equipment Regulation 2017, that the stated product, complies with the essential requirements, in accordance with part 2 (chapter 1) of Radio Equipment Regulation, as indicated under Annex 1 of this certificate, based on the applicable Technical Standards and Specifications as listed under Annex 2 of this Certificate.

Product description:	Wireless Control Panel
Trademark:	Danfoss
Type designation:	NT
Variants:	136B7732, 136B7733, 136B7731

**This certificate is granted to manufacturer:**

Name:	Danfoss Drives A/S
Address:	Ulsnaes 1
City:	6300 Gråsten
Country:	Denmark

This certificate remains valid as long as the stated product stays in compliance with the essential requirements of the Radio Equipment Regulation 2017.

This certificate has THREE Annexes.

Signed on behalf of Kiwa Ltd.  
(UK Approved Body Number 0558)

George Lo  
Product Assessor

# CERTIFICATE

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# UK CA



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## General Conditions

For each product to which this type examination relates, it has complied to the essential requirements as follows:

### Article 6.1

Radio equipment shall be constructed so as to ensure:

- C (a) The protection of health and safety of persons and of domestic animals and the protection of property, including the objectives with respect to safety requirements set out in Directive 2014/35/EU, but with no voltage limit applying;
- C (b) An adequate level of electromagnetic compatibility as set out in Directive 2014/30/EU.

### Article 6.2

- C Radio equipment shall be so constructed that it both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference.

## Legend

- C = Conform
- NC = Not Conform
- NA = Not applicable (for this equipment)
- NP = Not performed (in this statement)

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- This UKCA-type examination certificate is limited to the Radio Equipment Regulation.
- This UKCA-type examination certificate is part of the Conformity Assessment procedure Module B, as described in annex III of the Radio Equipment Regulation.
- The validity of this UKCA type examination certificate is limited to products, which are equal to the one(s) assessed for this type Examination.
- The manufacturer has to draw up and issue a self Declaration of Conformity, declaring that the product(s) described in this UKCA-type examination certificate, are in compliance with Radio Equipment Regulation 2017 and any other applicable harmonization legislation.
- Each product shall be identified by means of type, batch and/or serial numbers and the name of the manufacturer and/or importer.
- If the equipment is to be modified, Kiwa Ltd. shall be notified immediately. Depending on the modifications, Kiwa Ltd. may have additional examinations carried out in consultation with the applicant.
- Enforcement of a new amending directive voids the validity of this UKCA-type examination certificate.
- In case any referenced standard in this UKCA-type examination certificate is withdrawn or superseded and the presumption of conformity with the essential requirements has ceased, investigation by Kiwa Ltd. is needed to determine the validity of this type examination.

## Remarks and observations

*The following conditions are applicable:*

All variants use the same PCB, same components but have different degree of assembly.

The Control Panel 2.8W OPX25 is fully assembled.

The Wireless Panel OPX01 has the components for display and keypad not assembled.

The Control Panel 2.8 OPX21 has the components for the wireless not assembled.

The plastic front cover of the Wireless Panel OPX01 has no window for the display and no keypad foil mounted.

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## Documentation lodged for this type examination

### Test Reports:

- Bureau Veritas Consumer Products Services Germany GmbH: 21TH0372\_62368-1\_0, 05 July 2021
- 7 Layers GmbH: MDE\_DANFOSS\_1802\_EMC\_01, 25 October 2021
- 7 Layers GmbH: MDE\_DANFOSS\_1802\_RADIO\_01, 25 October 2021
- 7 Layers GmbH: MDE\_DANFOSS\_1802\_RADIO\_02, 25 October 2021

### Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electrical diagrams
- Internal photos
- External photos
- Manual
- Test setup photos

## Technical Standards and Specifications

### The product is compliant with:

EN 300 328	July, 2019	V2.2.2
EN 300 330	February, 2017	V2.1.1
EN 301 489-1	November, 2019	V2.2.3
EN 301 489-17	September , 2020	V3.2.4
EN IEC 62368-1:2020+A11:2020	March, 2020	

## Technical features and characteristics

### The product includes the following features and characteristics:

#### NFC

- Operating frequency range: 13.56 MHz (receiving only)

#### Bluetooth

- Operating frequency range: 2402-2480 MHz (79 channels)
- Maximum output power: 9.8 dBm EIRP average (calculated)
- Maximum antenna gain: 1.4 dBi

#### Bluetooth LE

- Operating frequency range: 2402-2480 MHz (40 channels)
- Maximum output power: 8.8 dBm EIRP average (calculated)
- Maximum antenna gain: 1.4 dBi

#### IEEE 802.11b/g/n (20/40 MHz)

- Operating frequency range: 2412-2472 MHz (13/9 channels)
- Maximum output power: 17.1 dBm EIRP average (calculated)
- Maximum antenna gain: 1.4 dBi

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Annex 3 to certificate 222340193/AA/00

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## The product as described in this type examination includes the following type designations:

- Product description: Wireless Control Panel
- Trademark: Danfoss
- Type designation: NT
  
- Product description: Fully assembled
- Trademark: Danfoss
- Type designation: 136B7732
  
- Product description: Same PCB, but the display and button field are not assembled
- Trademark: Danfoss
- Type designation: 136B7733
  
- Product description: Same PCB, but the WLAN/BT module is not assembled
- Trademark: Danfoss
- Type designation: 136B7731