

ENGINEERING  
TOMORROW

*Danfoss*

ERC 211 temperature controller series

# ERC 211, intelligent multipurpose refrigerant controller



Scan the QR code to learn more about  
the ERC controller functionality

**4**

push buttons, a  
large display and  
an intuitive menu  
structure ensure  
superior ease of use.



# Innovative technologies and intelligent refrigerant functions

## Thermostat settings

1. Press
2. Press or to raise or lower the temperature
3. Accept settings by pressing

## Manual defrost

1. Press and hold to force a defrost
2. Press and hold to end a defrost

## Quick configuration

1. Power on
2. Press for 3 seconds within 30 seconds of power on.  
The display shows "o61"
3. Press to select a pre-installed application.  
"AP0" will be flashing.
4. Press and to select one of the following applications.
5. Press to select the application.  
The display shows "o06".
6. Press to select the temperature sensor type.
7. Select sensor type by pressing and   
(NTC 5K, NTC 10K, PTC, PT1000)
8. Press to confirm sensor selection.

## The controller will return to the temperature display and start to run

Versions with additional relays and functions are also available:

- ERC 211 kit 1 relay – 080G3263**
- ERC 213 kit 3 relays – 080G3265**

<b>App 0</b>	None (no programmed application)
<b>App 1</b>	Cooling (4-20°C), without defrost
<b>App 2</b>	Cooling (2-6°C), with timed natural defrost
<b>App 3</b>	Cooling (2-6°C), with natural defrost stop due to air temperature
<b>App 4</b>	Heating 20-60°C
<b>App 5</b>	No programmed application. Simplified parameter list

## Advantages



### Ease of use

Four push buttons, easy menu structure, pre-installed application solutions ensure superior usability.



### Energy efficiency

Defrost on demand and smart evaporator fan management ensure energy efficiency.



### Unit Protection

Special software features like compressor protection from fluctuation in power supply or from high condensing temperature ensure the safety operation of the unit.



### Simple Installation

High effect 16A relay enable direct connection of heavy loads, such as 2 Hp compressor without use of intermediate relays. A wide range of compatible types of sensors ensure high flexibility in installation.



### HAZLOC approval for flammable refrigerants

Approved for R290 /R600a (Flammable refrigerant) end use applications.



### Connectivity for BT

Compatibility with external BLE adapter to enable wireless communication with "KoolConnect" mobile application.