

# LICENCE FOR



ENEC LICENCE REF NO. SE-ENEC-2100649R1

## Thermally operated control for appliances

**Type Designation:** ERC 112 \*, ERC 113 \*

**Licence Holder:** DANFOSS A/S  
Nordborgvej 81  
6430 Nordborg  
Denmark

**The product complies with the standard(s):** EN 60730-1:2016+A1:2019  
EN IEC 60730-2-9:2019+A1+A2

**Licence holder is authorized to use the mark with the following limitations:** -

**Date of expiry:** 06 May, 2026

**EU Directive information:** According to the principle of presumption of conformity, this certificate constitutes support for an EC Declaration of Conformity and CE marking according to the Low Voltage Directive 2014/35/EU.

**Certification Body:** Intertek Semko AB, Product Certification

**Place:** Kista - Stockholm

**Signed:**

A handwritten signature in black ink, appearing to read 'Leif Mattsson', is written over a horizontal line.


Leif Mattsson

**Date:** 27 September, 2021

## APPENDIX: ENEC LICENCE REF NO.SE-ENEC-2100649R1

**Test Report No.** 2106124STO-001

**Technical Data:**

<i>Type designation</i>	ERC 112 *, ERC 113 *
<i>Rated voltage (V)</i>	100-240V AC
<i>Rated current (A)</i>	16(16)A for relay 1, 8A or 2(2)A for relays 4-6 (max 10A total on relays 4-6)
<i>Frequency (Hz)</i>	50/60Hz
<i>Class</i>	For incorporation in Class I or Class II appliances
<i>IP-Class</i>	IP00 for rear, IP65 for front
<i>Number of terminals</i>	6 tab terminals 6,3x0,8mm
<i>Number of cycles:</i>	100 000 (A) relay 1, 30 000 (A) relays 4-6
<i>Trademark</i>	
<i>Product information</i>	T55, Material group IIIa (PTI 250), Pollution degree 3, Uimp: 2,5kV. PCB and housing glow-wire tested at both 850°C and 750°C and complies with glow-wire test for IEC 60335-1 ed. 5. The product relays complies with EN 60335-2-89:2010 Annex BB and EN 60335-2-24:2010 Annex CC

**Explanation of type designation:**

**Nomenclature**

ERC	112	D
I	II	III

I	Designates product family.
ERC	Electronic Refrigeration Control
II	Designates series of control
112	Standard version
113	Special version (as 112 version but display and keypads not mounted)
III	Indicates number of relays
A	1 relay (RE1 mounted)
B	2 relays (RE1 mounted + RE2 or RE3 or RE4 mounted)
C	3 relays (RE1, RE2 mounted + RE3 or RE4 mounted)
D	4 relays (RE1, RE2, RE3, RE4 mounted)

Customer specific application software may apply. Printing on buttons and colour of LED display may vary.

**APPENDIX:**  
**ENEC LICENCE REF NO.SE-ENEC-2100649R1**

**Manufacturing Sites:** Enics Electronics (Suzhou) Ltd  
#7 building Xin Hang Industrial Park Huangpujiang Rd  
New & Hi-tech Industrial Development Zone  
Changshu China

According to the principle of presumption of conformity, this certificate, which includes production control, constitutes support for an EC Declaration of Conformity and CE marking according to the Low Voltage Directive 2014/35/EU.

This presumption can expire before end of validity of this certificate due to new issued Standard or Amendment and changes within the EU legislation.

The instruction for use shall be written in a language acceptable according to the national regulation in the country where the product is to be used.

This ENEC license replaces previously issued SE-ENEC-2100649, dated 6 May 2021. A new license has been issued due to removing the Beijing manufacturing site.

**Certification Body:** Intertek Semko AB, Product Certification

**Place:** Kista - Stockholm

**Signed:**



**Date:** 27 September, 2021

Leif Mattsson