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**EU DECLARATION OF CONFORMITY****Danfoss A/S****Danfoss Cooling Segment**

declares under our sole responsibility that the

**Product category:** Refrigeration controllers and accessories

**Type designation(s):**

AK-CC450, AK-CC460, AK-CC525A, AK-CC550/550A/550B/550C/550F and EKA175/176/178B.

Covered by this declaration is in conformity with the following directive(s), standard(s) or other normative document(s), provided that the product is used in accordance with our instructions.

**EMC – Electromagnetic Compatibility Directive (2014/30/EU)**

- EN 61000-6-3: 2007 + A1: 2011 Generic standards. Emission standard for residential, commercial and light-industrial environments
- EN 61000-6-2: 2005 Generic standards. Immunity for industrial environments
- EN 61000-6-2: 2019 Generic standards. Immunity for industrial environments

**LVD - Low voltage Directive (2014/35/EC)**

- EN60730-1: 1995 + Amd. Automatic electrical controls for household and similar use. General requirements
- EN60730-2-9: 2010 Particular Requirements for Temperature Sensing Controls

**RoHS Directive 2011/65/EU and 2015/863/EU**

- EN 50581:2012 Technical documentation for the assessment of electrical and electronics products with respect to the restriction of hazardous substances

**Regulation 2005/37/EC**

- EN 13485: Nov 2001 Thermometers for measuring the air and product temperature for the transport, storage and distribution of chilled, frozen, deepfrozen/quick-frozen food and ice cream.

Date: 2019.07.04 Place of issue:  Nordborg, Denmark	Issued by  <b>Signature:</b> <b>Name: Alberto Candaten</b> <b>Title: R&amp;D Director</b>	Date: 2019.07.04 Place of issue:  Nordborg, Denmark	Approved by  <b>Signature:</b> <b>Name: Alberto Candaten</b> <b>Title: R&amp;D Director</b>
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<b>Thermometer</b>	
Suitable for storage	Yes
Suitable for transport	No
<b>I – General requirements</b>	
Measuring range	-35°C - +50°C
Autonomous power supply	No
Degree of protection provided by enclosure	IP 20 according to EN60529
Supply voltage	230V a.c. +10%/-15%
Frequency	50/60 Hz
<b>II – requirements for metrological characteristics</b>	
Maximum permissible error and resolution and temperature measurement error	Class 1, using Pt1000 sensors (DIN IEC 751 class B)
Response time	Less than 20 minutes
Climatic environment and influence of ambient temperature	Type A
Mechanical vibrations	Not applicable
Shockproofness	Not applicable
Climatic environment and temperature testing under storage and transport conditions for the recorder	0-55°C during operation -40°C - +70°C during transport 20 – 80% RH, not condensed
Electrical power disturbances and susceptibility to radiated electromagnetic field and dielectric strength	LVD tested according to: EN60730-1- and EN60730-2-9 EMC tested according to: EN61000-6-2 and EN61000-6-3

