



Danfoss A/S

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FoodRetail

Your ref.

Identification number
080R1203 / RR8DJ402

Date
2012.06.27

EC-DECLARATION OF CONFORMITY

Danfoss A/S

declares under our sole responsibility that the product(s)

AK-SC 255, AK-SC 355 & AK-CS series

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.

Regulation 2005/37/EC

By fulfilling the requirements in the following standard:

EN 12830, July 1999

EN 13485, Nov 2001

Approved by:

Date: 2012.06.27

Name: Peter Eriksen, Director R&D

Danfoss only vouches for the correctness of the English version of this declaration. In the event of the declaration being translated into any other language, the translator concerned shall be liable for the correctness of the translation

DS/EN 12830 compliance scheme

AK-SC 255, AK-SC 355 & AK-CS	
Suitable for storage	Yes
Suitable for transport	No
I – General requirements	
Measuring range	1) -50°C - +50°C using Pt1000 sensors (DIN IEC 751 class B). 2) Using Electronic Network Controllers please see data for applied controller
Chart (disk, type)	Not Applicable
Autonomous power supply	No
Degree of protection provided by enclosure	IP 20 According to EN 60529
Supply voltage	85 - 264 V a.c.
Frequency	50/60Hz
Power cut-offs	Log data are kept in none volatile memory and will not be lost at power cut-offs.
II – Requirements for metrological characteristics	
Maximum permissible error and resolution and temperature measurement error	Class 1, using Pt 1000 sensor (DIN IEC 751 class B). Class 1, using Electronic Network Controllers that comply with EN 13485, 2001-12-21
Recording interval	History Logs collected at 5, 30 Seconds, 1, 2, 10, 30 Minutes, 1 Hour
Recording duration	Max 600 History points Depends on interval and no. log points
Maximum relative timing error and time recording error	Max. 20 min. per year.
Response time	Less than 20 minutes
Climatic environment and influence of ambient temperature	Class A
Mechanical vibrations	Not applicable
Shock resistance	Not applicable
Climatic environment and temperature testing under storage and transport conditions for the recorder	Operating temperature 32 to 104 °F (0 to +40°C) @ 90% RH (non condensing) -20°C - +70°C during transport
Electrical power disturbances and susceptibility to radiated electromagnetic field and dielectric strength	EN 61326: 1997 +A1:1998 + A2: 2001 + A3:2003 EN 60730-1: 2001.

