



Product Bulletin

EKC 302 & AK-CC 350 for temperature control of refrigeration appliances

With this new controller range you get an easy and intuitive operation and reduced set-up time via a programming key or a build-in application switch. The many predefined applications bring you great flexibility. Reliability is enhanced by an increased relay rating and life time by "Zero crossing" technology and high-effect 20A compressor relays



250.000

Switch cycles

Guaranties long life time



Features

The controllers are used for temperature control of refrigeration appliances – for control of one or two compressors, defrost, fans, rail-heat, light and alarm. With the new EKC 302 controller range, Danfoss is able to supply a full EKC programme. EKC 102, 202, 302 and AK-CC 250 and 350 controllers. EKC 202 is for front panel mounting and EKC 302 is for DIN rail mounting.

The controller contains a temperature control where the signal can be received from one or two temperature sensors. The sensor is placed in the cold air flow after the evaporator in the warm air flow just before the evaporator. Two to four relays will cut the required functions in and out – the application determines which: Refrigeration (compressor or relay), defrost, fan, alarm, light

Products

Product types Code number	EKC 302A 084B4162	EKC 302B 084B4163	EKC 302D 084B4164	AK-CC 350 084B4165
Function	Refrigeration controller with MODBUS data communication	Refrigeration controller with fan function and MODBUS data comm.	Refrigeration controller with MODBUS data communication	Refrigeration controller with MODBUS data communication
Relays	2	3	4	4
Compressor/valve current [A]	10	10	10	10
Defrost current [A]	4	10	10	10
Fan current [A]	-	6	6	6
Alarm/lighting/aux current [A]	4	4	4	4
Analog inputs	2	2	3	3
Digital inputs	1	1	2	2
Pt1000, PTC and NTC sensor	Yes	Yes	Yes	Yes
Data communication	Yes	Yes	Yes	Yes
HACCP compliance via system	Yes	Yes	Yes	Yes
HACCP function	-	-	-	Yes
App switch/sensor output/coord. defrost	-	-	Yes	Yes
Quick setup	-	-	-	Yes
Coord. defrost via system	Yes	Yes	Yes	Yes

Download the following documents for additional information

Click the thumbnail to download the document from the Danfoss website:

Product Manual EKC 302A/B	Product Manual EKC 302D	Product Manual AK-CC 350	Catalogue RK0YG

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