

Save Energy and Simplify Control with Danfoss AK-CC55 Kits

Now available at Metraclark
in three ready-to-install kits!

AKC55CC - AK-CC55 Compact Freon Controller Kit (TXV or EEV)

AKCC55SCC - AK-CC55 Single Coil Controller Kit CO2 (EEV)

AKCC55SCF - AK-CC55 Single Coil Controller Kit EEV Freon (EEV)



AK-CC55 Controller Kits

Danfoss Part Number	Product Description	AKC55CC Compact Freon Controller	AKCC55SCC Single Coil CO ₂ Controller	AKCC55SCF Single Coil Freon Controller
084B4181	AK-CC55 Compact Case Contr. I-Pack	1		
084B4182	AK-CC55 Single Coil Case Contr. I-Pack		1	1
084B4075	AK-UI55 Bluetooth Display S/M-Pack	1	1	1
084B4078	AK-UI55 3m Cable M-Pack	1	1	1
084B4189	Conn.bag Compact I-pack Quick Connector	1		
084B4190	Conn.bag Single Coil I-pack		1	1
075G4002	Sensor DST P110 Ratio (-1 to 12 bar SG)	1		1
076G1014	Sensor DST P310-N636-A0AB06-0 (-1 to 59 bar)		1	
060G0008	Accessory DIN Plug PG9 (knife contacts)		1	
060G8086	Accessory Cable 1.3m w round packard	1		1
084N0028	Sensor AKS 11 5.5m	4	5	5



AK-CC55 is a complete refrigeration appliance control with great flexibility to adapt to refrigeration appliances and cold storage rooms.

Key features & benefits

- Universal controller for several different refrigeration appliances
- Quick set-up with predefined settings
- Operates with 1 electronic expansion valve (EEV) and 1 evaporator
- Also supports thermostatic expansion valve (TXV)
- MODBUS communication – standard for easy integration
- Easy configuration and service using a mobile app with Bluetooth
- Energy optimization of the whole refrigeration appliance
- Adaptive Minimum Stable Superheat (MSS) control is performed with lowest possible superheat
- Allows the suction pressure to be raised several degrees
- Adaptive Liquid Control (ALC) can be performed with superheat down to 0 degrees on transcritical CO₂ systems with liquid ejectors
- Adaptive Defrost (AK-CC55 Single Coil only) that saves energy and increase food quality by only performing the defrost needed to keep the evaporator ice free

Applications

- Small, medium, and large display cases
- Reach-in coolers and undercounter units
- Walk-in cold rooms
- Supermarket refrigeration systems
- Food service and catering refrigeration
- Industrial CO₂ cooling systems



Available at your nearest Metraclark branch