

Temperature Sensors

Danfoss Type	Sensor type	Sensor temp. range (°F)	Wire length (ft.)	Description	Danfoss Code No.
AKS 21W	PT1000	−94 to 356	1	Boiler temp. probe, fits well with ½ NPT	084N2032
AKS 11	PT1000	−60 to 212	11.5	Single packed 084N0027	084N0003
AKS 11	PT1000	−60 to 212	18	Single packed 084N0028	084N0005
AKS 11	PT1000	−60 to 212	27.5	Single packed 084N0029	084N0008
AKS 12	PT1000	−40 to 176	5	Single packed 084N0035	084N0036
AKS 12	PT1000	−40 to 176	18		084N0038
AKS 21	PT1000	−94 to 356	8	Used for high temp. pipe applications	084N2003
AKS 21	PT1000	−94 to 356	16	Used for high temp. pipe applications	084N2008
MBT 153	NTC	−40 to 158	18	General purpose sensor—replace Com-Trol and ECI TP 2L	084Z3016
Air supply/duct probe		−94 to 356	8	Old part no. ASTP2	084Z2186
Box temp. probe assembly		−13 to 221		Probe length 18 in.	084Z2185
Product temp. sensor		−22 to 122	18	PT1000; calibration certificate included	084N1007
Zone temp. sensor		−40 to 122		PT1000; temp. sensor on cover plate for HVAC room temp.; old part no. ZTP2	080N2187
Condenser air probe		−40 to 122		PT1000; temp. sensor for measuring air temp. under condenser	AKOTC

AKS 11 Temperature Sensors with Case Locations Specific Colors

Insulation color	Purpose	Wire length (ft.)	Danfoss Code No.
Blue	S1 coil in	27.8	097U0063
Red	S2 coil out		097U0064
Purple	S3 return air		097U0065
Green	S4 discharge air		097U0066
Orange	S5 defrost termination		067U0067

Temperature Sensor Resistors (Permit use of non-Danfoss sensors on AK2 input boards)

Description	Notes	Danfoss Code No.
Com-Trol, CPC, and Altech Temp. Sensor Resistor Kit	Kit contains 2 resistors	CTPKIT
AK-2 Pullup kit for ECI TP-1 Probe	Kit contains 4 resistors	TP1KIT

Humidity Sensors and Light Level Sensors

Description	Notes	Danfoss Code No.
Outdoor Photo Cell/Humidity Sensor/Temp Sensor	Mounts on ½ in. conduit knockout; box not included	AKCOTHP
Outdoor humidity sensor	Mounts in ½ in. conduit knock out; replaces EMHS-4	080Z2167
Humidity sensor w/indoor temp. sensor	Old part no. EMHS3-1	080Z2171
Outdoor photo cell with temp. sensor	Old part no. PHOTO-OD-1	080Z2172
Skylight Photocell 0-5000 FC with resistor	Old part no. PHOTO-MAS	080Z2169

Door Monitors, Current Transducer

Description	Notes	Danfoss Code No.
Magnetic Door Monitor Assembly	Door contacts; typically used for walk in coolers and freezers	DRMON-1
Current transducer 0-5/100/200 A	Connects to inboards for current monitoring. Frequently used for compressor, fan motor or other loads requiring current monitoring.	080Z2251
Current sensing relay	Provides contact closure when current is detected.	49-100

Miscellaneous Relays and Transformers

Description	Notes	Danfoss Code No.
Relay	24V coil 2 pole Form C relay	41-062
Transformer	24V 150 VA wall mount control transformer	55-168
Power supply	5Vdc Din rail mounted power supply	68-102

Alarm Devices

Description	Notes	Danfoss Code No.
24V horn/strobe; red	For indoor use	AKAHS01
24V horn/strobe; blue	For outdoor use	AKAHS02
Strobe alarm light; amber		99-242
Strobe alarm light; blue		99-272
Office alarm box PC board w/audio, LED signal & reset	Requires 12V AC	OAB-1