

Input/Output Communication and Extension Modules *(continued)*

Power Supplies for AK series controls

Danfoss Type	Input Voltage	Output		Mount	Note	Danfoss Code No.
		Voltage	Capacity			
IOPS	115/230	12/24V AC	56 VA	Chassis	Use for 12VAC or special application only; replaced by 080Z0055 for AK2 applications	080Z0052
AK-PS 250	100–240	24V AC	60 VA	Din Rail	Replaces 080Z0052	080Z0055
AK-PS 75	100–240	24V AC	18 VA	Din Rail	Can power one com module and combo board	080Z0053

Repeaters, Bridges, and Gateways

Gateways permit communication from manufacturer's equipment to another. Repeaters boosts signal to overcome issues resulting from excess wire length and poor installation. Bridges converts communication signal from one protocol to another.

Danfoss Type	Description	Applicable protocols	Notes	Danfoss Code No.
TP78-01	Repeater	LON TP 78	Requires 12V AC, old part no. TP78-01	084B2251
TP78-02	Bridge	LON TP 78 to LON FTT-10	Requires 12V AC, old part no. TP78-02	084B2252
TP78-04	Bridge	LON TP 78 to LON RS485	Old part no. TP78-04	084B2254
AKA 222	Repeater	Modbus		084B2240
AKA 223	Repeater	LON RS485		084B2241
TP78-05	Bridge	LON FTT-10 to LON RS485	Old part no. TP78-05	084B2255
	Gateway	AK-SC 255 ECI Serial Adapter Kit Permits communication between AK-SC 255 and ECI serial IO modules		080Z2110
	Accessory	8-port MOXA Ethernet Switch Kit Allows customer to connect multiple front end controllers (includes 24VDC power supply, DIN Rail, 8-port unmanaged switch)		080Z0276

I/O Enclosures

Enclosures for input/output boards

Description	Notes	Danfoss Code No.
AK2 enclosure for 1 row of 4 full size modules	Includes power supply and 1 AK2 comm. Module 13 × 30 × 5	AK2IO8
AK2 enclosure for 2 row of 4 full size modules	Includes power supply and 1 AK2 comm. Module 25 × 30 × 5	AK2IO16
AK2 comm. mod. + AK2 XM 205B in RTC box filtered; power input	24VAC only; no power supply included 12 in. × 12 in.	AK2RTCB
AK2 comm. mod. RTC filtered power V.2	contains 080Z0061, 080Z0017, 080Z0053	AK2RTCB-2
12 in. × 24 in. enclosure	080Z0055, with comm. Module, combo board	080Z2165
Lighting control panel/8 relay output		080Z2164