

Input/Output Communication and Extension Modules

Input/Output (I/O) expansion modules are used in applications requiring more connections than featured on a given control: up to nine extension modules may communicate through each communication module. I/O modules require a communication module to communicate with frontend system managers.



AK-CM Communication Modules

Danfoss Type	Description	Danfoss Code No.
AK-CM 101A	Communication Module (LON TP-78)	080Z0061
AK-CM 101C	Communication Module (LON RS485)	080Z0063



AK-XM Extension Modules

Danfoss Type	Analog inputs	On/off outputs		On/off supply voltage (DI signal)		Analog outputs	Stepper outputs	Module with switches	Uses	Danfoss Code No.
	For sensors, pressure transmitters, etc.	Relay (SPDT)	Solid state	Low voltage (80 V max.)	High voltage (260 V max.)	0-10 V DC	For valves with step control	For overriding relay outputs		With screw terminals
AK-XM 101A	8								Sensors, pressure transmitters, contact signals	080Z0007
AK-XM 102A				8					On/off voltage signals, low voltage (24 V)	080Z0008
AK-XM 102B					8				On/off voltage signals, high voltage (230 V)	080Z0013
AK-XM 103A	4					4			Sensors, pressure transmitters, contact signal, analog outputs (0-10 V DC)	080Z0032
AK-XM 107A pulse module									Pulse measuring	080Z0020
AK-XM 204A		8							On/off relay outputs	080Z0011
AK-XM 204B		8							On/off relay outputs with overriding function	080Z0018
AK-XM 205A	8	8							Sensors, pressure transmitters, and on/off outputs	080Z0010
AK-XM 205B	8	8		x					Sensors, pressure transmitters, and on/off output with overriding function	080Z0017
AK-XM 208B							4		Stepper output	080Z0022
AK-XM 208C	8						4		Sensors, pressure transmitters, and stepper output. Can only be used with AK-PC 7xx pack controllers	080Z0023

I/O Spare Parts and Accessories

Description	Notes	Danfoss Code No.
DIN Rail for AK2 module mounting	1 Meter	080Z0290
AK2 light ballast dimmer driver board	Boosts signal from a variable output (such as AK-XM 103A) board to drive multiple ballasts	080Z0270
RTC to AK2 board conversion kit	Converts obsolete RTC board to AK2 IO modules; includes documentation, power supply, and wire	080Z2117
CO ₂ indoor sensor	For measuring indoor CO ₂ levels	LDC02
Air flow switch	For proofing RTU airflow	CAFS-1