

DIII-net modbus interface EKMBDXA



- › Modbus RS485 interface for integration up to 64 indoor units groups
- › BMS integration of RA, Sky Air, VRV Inverter chillers and AHU

System overview

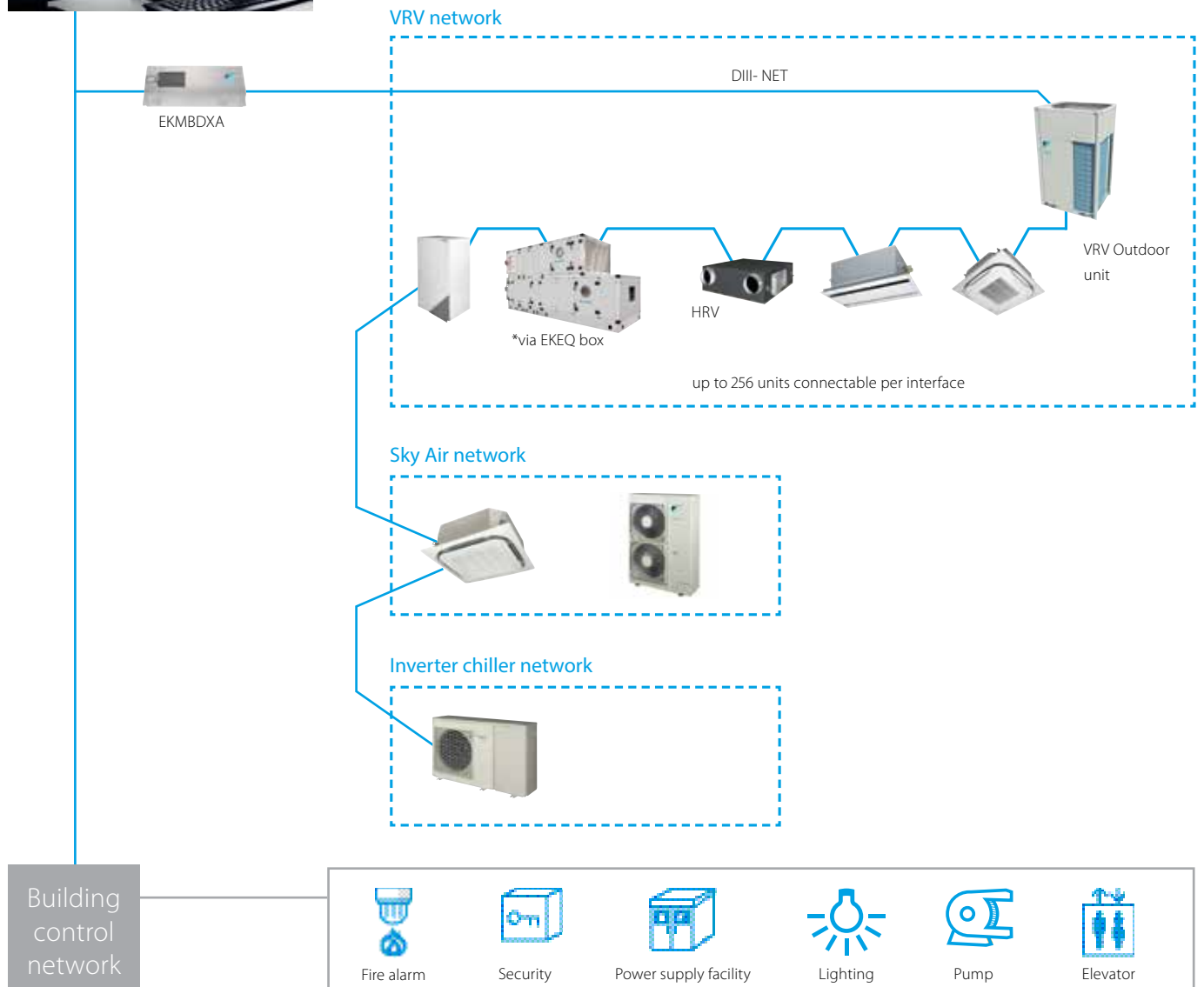
Cross pillar integration

Easy integration of:

- VRV indoor units
- Heat reclaim ventilation
- VRV hydroboxes
- Biddle air curtains
- Split and Sky Air indoor units
- Daikin Altherma Flex Type heating
- Inverter chillers
- DX air handling units



For detailed information on compatible products refer to the engineering databook



Overview of functions

		VRV / Sky Air	HRV	Split	VRV hydrobox LT & HT	Air curtains	ERQ control box for AHU	Heating	Applied
On/Off	R/W	•	•	•	•	•	•	•	•
Error	RO	•	•	•	•	•	•	•	•
Operation mode	R/W	•	•	•	•	•	•	•	•
Ventilation operation mode	R/W		•						
Quiet mode (low noise)	R/W				•			•	•
Fan speed	R/W	•	•			•			
Fan direction	R/W	•							
Room temperature	RO	•		•	•		•	•	
Room temperature setpoint	R/W	•		•	•	•	•	•	
Room temperature setpoint range	RO	•		•	•	•	•	•	
Leaving water setpoint	R/W				•			•	•
Leaving water setpoint range	RO				•			•	•
Filter sign	R/W	•	•			•		•	
Domestic hot water Rehaet / Storage	R/W				•			•	
user interface lock	W	•	•	•	•	•	•	•	•
Forced off	R/W	•	•	•	•	•	•	•	•
Indoor status	RO	•		•	•	•	•	•	•
Indoor unit capability	RO	•		•	•	•	•	•	•
Indoor detail	RO	•			•	•			
Communication status of units	RO	•	•	•	•	•	•	•	•
Adapter status	RO	•	•	•	•	•	•	•	•

RO: Read only = Monitor

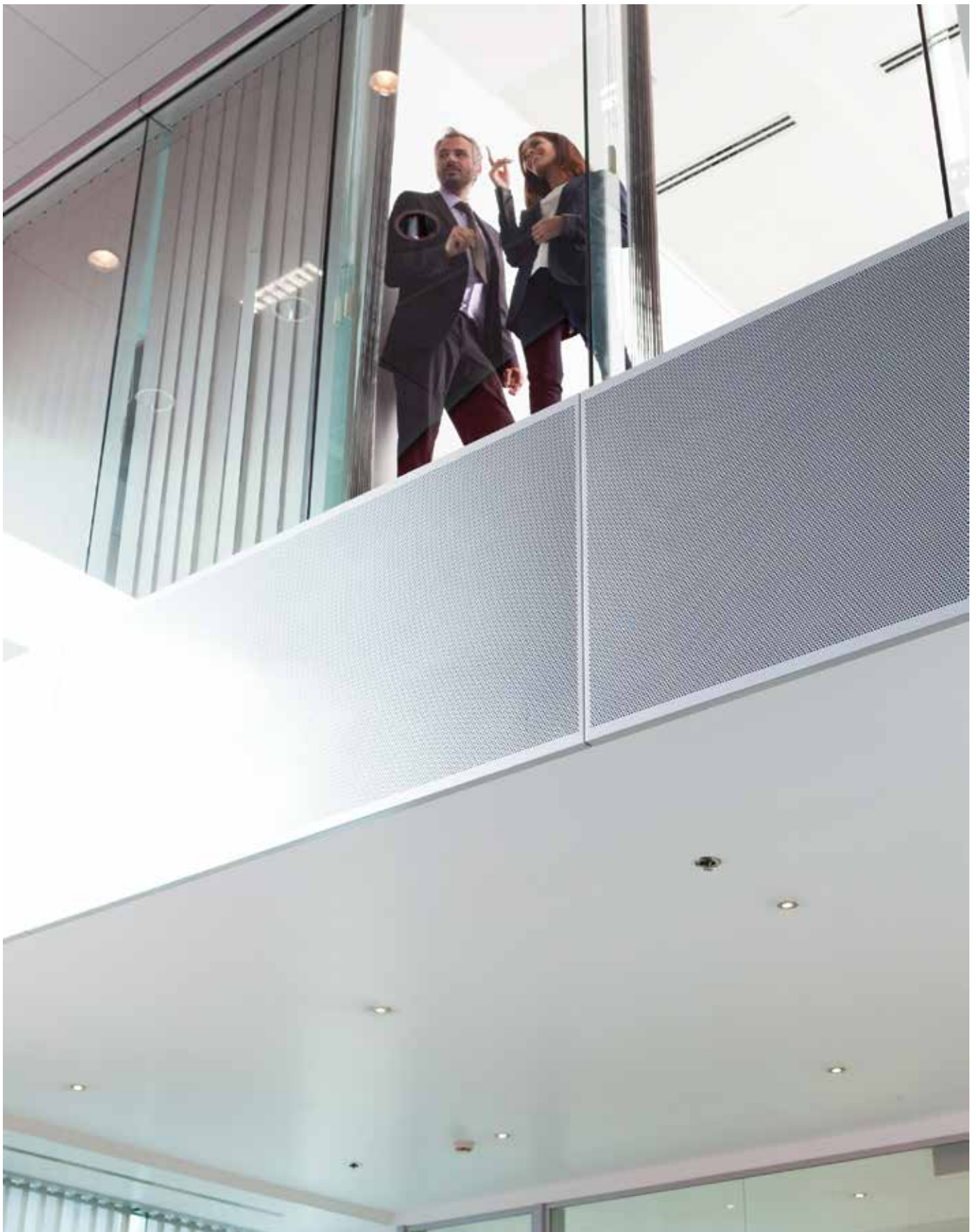
RW: Read/write = Monitor & control

Note: For full details and selection refer to engineering databook

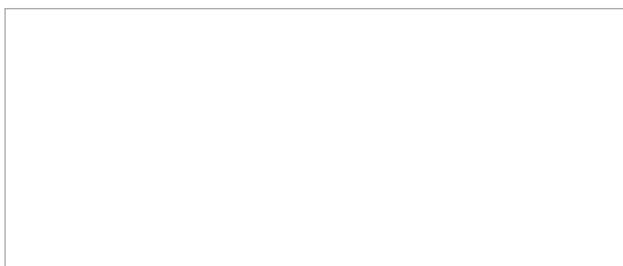
Specifications

		EKMBDXA7V1	
Maximum number of connectable indoor units		64	
Maximum number of connectable outdoor units		10	
Communication	DIII-NET - Remark	DIII-NET (F1F2)	
	Protocol - Remark	2 wire; communication speed: 9600 bps or 19200 bps	
	Protocol - Type	RS485 (modbus)	
	Protocol - Max. Wiring length	m	500
Parity / Stop bit		Even 1 stop bit / Odd 1 stop bit / None 2 stop bit / None 1 stop bit	
Dimensions	HeightxWidthxDepth	mm	124x379x87
Weight		kg	2.1
Ambient temperature - operation	Max.	°C	60
	Min.	°C	0
Installation		Indoor installation	
Power supply	Frequency	Hz	50
	Voltage	V	220-240

Compatible with all DIII-net centralised controls such as Intelligent Touch Manager, ... For more information refer to engineer databook.



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