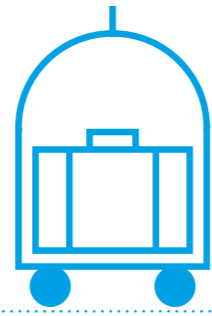## Case study: a typical hotel, with Daikin's unique control and portfolio solution

Intelligent Touch Manager mini BMS in combination with Daikin's energy efficient product portfolio.

- Control all HVAC-R equipment from one central location, plug & play
- Smart energy management
- Interlock with other third party equipment such as alarms, key card, …

KITCHEN
- Monitor refrigeration equipment operation
- Interlock with fire alarm to perform emergency stop ventilation

BANQUET HALL
- Set schedules for air handling unit fresh air and chiller operation
- Free cooling when outdoor temperature is lower than indoors

RECEPTION
- Integration into BMS
- Smart energy management tools

ROOMS
- Easy, individual control for each guest within set limits
- Connection to keycard and window switch to save energy

LOBBY
- Interlock between underfloor heating and air conditioning to avoid simultaneous operation
- Control fresh air comfort via CO_2 sensor

DAIKIN CONFIGURATOR SOFTWARE

DAIKIN

Product Portfolio

Controls

MIX
Paper from responsible sources
FSC® C109049

ECPEN15-301   500 · 10/14

Why choose Daikin control systems?

For commercial and industrial applications. From individual control to complete BMS packages and interfaces for integration into third-party systems, Daikin offers it all.
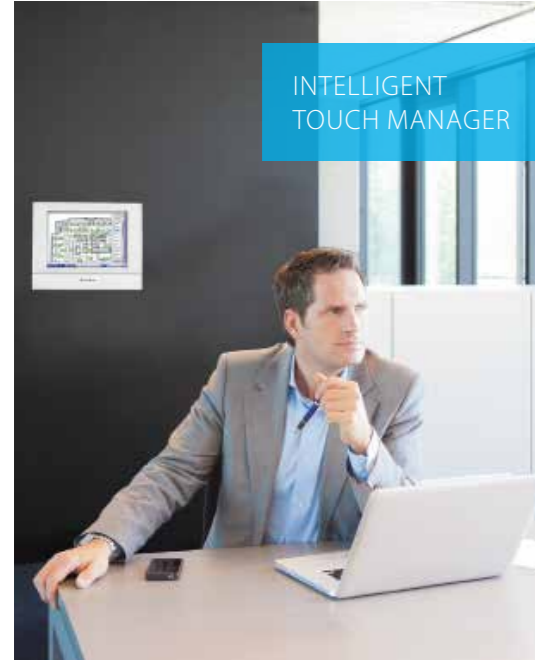
INTELLIGENT TOUCH MANAGER

WIRED REMOTE CONTROLLER

DAIKIN CONFIGURATOR SOFTWARE

From individual control to Daikin mini BMS systems

Type	Product description	Product name	Packshot	Residential	Light commercial	Medium commercial	Large commercial/ industrial
Management Control	**Intelligent Manager** mini BMS for full integration across Daikin's portfolio and third party equipment	DCM601A51				•	•
	Chiller serial sequencing panel	EKDSSP-S				•	•
Centralised control	**Intelligent Controller** Touch screen for detailed and easy monitoring of VRV systems	DCS601C51				•	
	DS-net for basic control of Sky Air and VRV	DTA113B51				•	
	Schedule timer enabling 64 groups of indoor units to be programmed	DST301B51				•	
	Unified ON/OFF control providing simultaneous and individual control of 16 groups of indoor units	DCS301B51				•	
	Centralised remote control providing individual control of 64 groups (zones) of indoor units	DCS302C51				•	
	Chiller digital sequencing panel	EKDDSP			•	•	•
	Group controller for Siesta Sky Air	R04084124324				•	
Individual control	Daikin Online Controller: always in control, no matter where you are	BRP069A41 /42		•	•		
	Simplified remote control for hotel applications Optional adapter for key card and window contact	BRC2E52/BRC3E52/ BRP7A51			•	•	
	User friendly wired remote control	BRC1E52A/B / BRC1D52			•	•	
	Siesta Sky Air wired remote control	ARCWB				•	
	Daikin Altherma low temperature wired remote control	EKRUCBL1-7		•			
	Infrared remote control	ARC* / BRC4* / BRC7*		•	•	•	
Service	Air Conditioning Network Service System to monitor your air conditioning and guarantee the highest efficiency	ACNSS			•	•	•
	Daikin Altherma & VRV configurator for simplified commissioning	EKPCCAB3*			•	•	•

Integration into 3rd party systems

Type	Product description	Product name	Packshot	Residential	Light commercial	Medium commercial	Large commercial / industrial
Interface **BACnet**	BACnet Interface: integrated control system for connection between VRV, applied systems, AHU and BMS systems - for VRV	DMS502A51				•	•
	BACnet Interface for Chillers and AHU	EKCMBACIP / EKCMBACMSTP				•	•
Interface **LonWorks**	LonWorks Interface for VRV	DMS504B51				•	•
	LonWorks Interface for Refrigeration	EKLONPG				•	•
	LonWorks Interface for Chillers and AHU	EKCMLON				•	•
Interfaces for connection to third party Building Management Systems — Modbus Interface	DIII-net MODBUS interface for integrated control of the connection between Sky Air, VRV and BMS system	EKMBDXA				•	•
	Modbus interface for monitoring and control of Chillers and AHU	EKCM200J				•	•
	Optional PCB for Modbus connection	EKFCMBCB7				•	•
	Modbus interface for monitoring and control of Refrigeration	BRR9A1V1			•	•	•
	Modbus Interface for monitoring and control of residential indoor units	RTD-RA		•			
	Modbus Interface for monitoring and control of Sky Air, VRV, VAM/VKM	RTD-NET				•	
	Modbus interface with advanced integration of Sky Air, VRV, VAM/VKM including duty and standby for server rooms	RTD-10				•	
	Retail controller with monitoring and control of Sky Air, VRV, VAM/VKM and air curtains including integration of CO_2 sensor for fresh air volume control	RTD-20				•	
	Modbus Interface for monitoring and control of Sky Air, VRV, VAM/VKM including intelligent hotel room control	RTD-HO					•
	Modbus Interface for monitoring and control of Daikin Altherma Flex Type, VRV, HT hydrobox and small inverter chillers	RTD-W			•	•	•
	Modbus Interface for monitoring and control of Daikin Altherma Low Temperature including voltage and resistance control	RTD-LT /CA			•		
KNX Interface	Connect residential indoor units to KNX interface for Home Automation system	KLIC-DD			•		
	Connect Sky Air and VRV indoor units to KNX interface for BMS integration	KLIC-DI				•	
http interface	http interface for Sky Air and VRV	DCS007A51				•	