

thermokon®

HOME OF SENSOR TECHNOLOGY



JOY

FANCOIL- / ROOM CONTROLLER

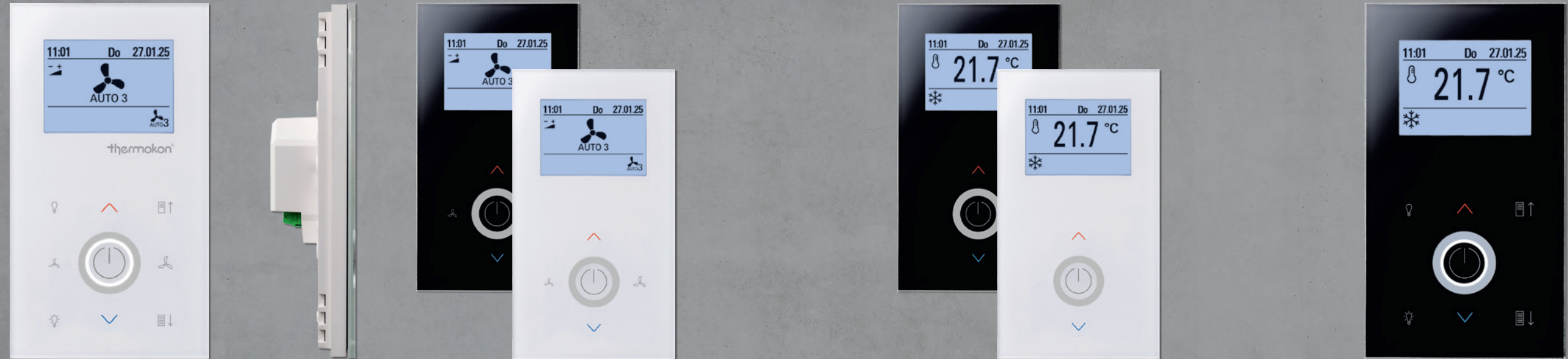
ASIRAE BACnet

KNX®

Modbus

enocean®





JOY – ROOM CONTROLLER

Appealing design, touch sensitive operation, BUS communication options or standalone to adapt to all building infrastructures: JOY provides efficient and comfortable climate control in room applications.

The visual aspect equals a slimline housing, scratch-proof glass touch interface, exclusive stainless steel power button, large and clear backlit display.

The different models provide flexible building infrastructures meeting customer's requirements and integration into the existing BMS.

Human interaction and integration into the BMS, the JOY is easy to configure and control making it a JOYful experience for users as well as integrators to work with.

TECHNICAL HIGHLIGHTS

- » Elegant slimline design, premium components
- » Flexibility through different types, designs and switch-off function
- » Available with EasySens® (EnOcean)
- » Change-Over applications via external temperature sensor or relay input
- » Demand-controlled operation using individual user profiles
- » Integration into BMS (BACnet | KNX | Modbus | EnOcean)
- » **NEW:** KNX versions available with CO2 sensor

FLEXIBLE AND DEMAND-CONTROLLED

Three time period programs – four timeslots: By offering demand-controlled individual user profiles, the JOY easily adapts to personal preferences for the room conditions.

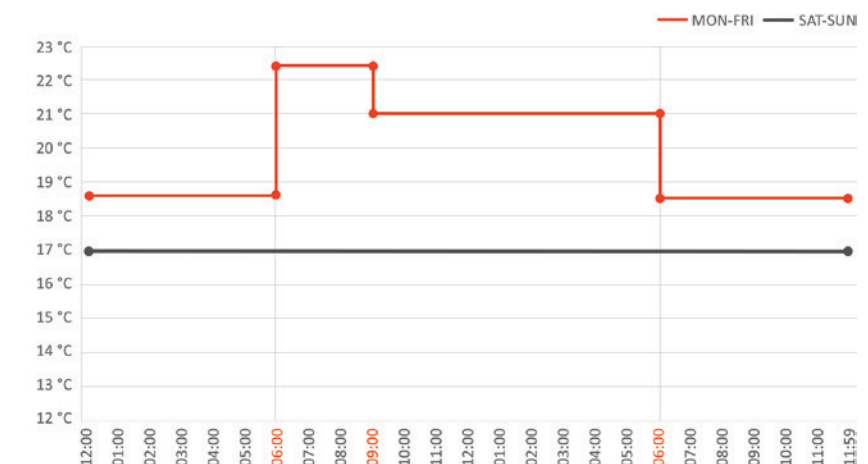
Example of individual user profiles:

06:00 AM: JOY heats up till set point is reached

09:00 AM: Heating power is lowered

18:00 PM: Predefined lowering temperature is kept constant

During weekends, the room temperature is kept at a constant low temperature to save energy when not required or unoccupied.





JOY HC / JOY SR HC AO2DO

BUS interface
EnOcean radio*
2x contact NO for:
Valves for heating/cooling
1x 0..10 V output for:
6-way-valve

JOY

FANCOIL- / ROOM CONTROLLER



ONE PRODUCT – MANY POSSIBILITIES

JOY HC / JOY SR HC 3AO

BUS interface
EnOcean radio*
3x 0..10 V output for:
Valves for heating/cooling
6-way-valve

JOY FANCOIL / JOY SR FANCOIL 5DO

BUS interface
EnOcean radio*
5x contact NO for:
Fan stages
Valves for heating/cooling

JOY FANCOIL / JOY SR FANCOIL EC AO2DO

BUS interface
EnOcean radio*
2x contact NO for:
Valves for heating/cooling
1x 0..10 V output for:
EC fan

JOY FANCOIL / JOY SR FANCOIL EC 3AO

BUS interface
EnOcean radio*
3x 0..10 V output for:
EC fan
Valves for heating/cooling
6-way-valve

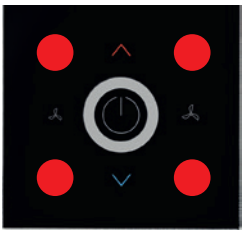
* available for types with RS485 Modbus interface



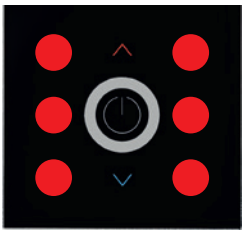
JOY CUSTOM – FUNCTIONAL INDIVIDUALISM

With the **JOY Custom*** you will get an individual room controller, that is optimally adapted to your requirements and desires. In addition to the classic functionality for controlling the setpoint temperature and adjusting fan speeds, our customized variants have four (JOY Fancoil) or six (JOY HC) additional, freely configurable buttons.

Possible areas of application for the additional buttons would be e.g. switching lighting or controlling blinds or shades – the choice is yours! Graphical and customizable icons for the respective buttons as well as the possibility of having your own logo lasered into the real glass surface make the **JOY Custom** a unique user experience.



JOY Fancoil Custom with four customizable touch buttons



JOY HC Custom with six customizable touch buttons



JOY Fancoil Custom



JOY HC Custom

* Minimum order quantity 100 pieces

» TYPES AVAILABLE

JOY FANCOIL

JOY SR FANCOIL

JOY HC

JOY SR HC

JOY

FANCOIL- / ROOM CONTROLLER

	GENERAL					INPUT	OUTPUTS				
Types	Buttons temperature	Buttons fan control	EasySens® 	Configuration via	Power supply	Universal (configurable)	3x Relay (fan)	2x Relay (heating/cooling)	1x 0..10 V (EC fan)	1x 0..10 V (6-way valve)	2x 0..10 V (heating/cooling)
JOY Fancoil 5DO	■	■		SD Card	230 V	3x	■	■			
JOY Fancoil 5DO BACnet / KNX / RS485 Modbus	■	■		SD Card, BUS	230 V	2x	■	■			
JOY SR Fancoil 5DO RS485 Modbus	■	■	■	SD Card, BUS	230 V	2x	■	■			
JOY Fancoil EC AO2DO	■	■		SD Card	230 V	3x		■	■		
JOY Fancoil EC BACnet / KNX / RS485 Modbus	■	■		SD Card, BUS	230 V	2x		■	■		
JOY SR Fancoil EC AO2DO RS485 Modbus	■	■	■	SD Card, BUS	230 V	2x		■	■		
JOY HC AO2DO	■			SD Card	230 V	3x		■		■	
JOY HC AO2DO BACnet / KNX / RS485 Modbus	■			SD Card, BUS	230 V	2x		■		■	
JOY SR HC AO2DO RS485 Modbus	■		■	SD Card, BUS	230 V	2x		■		■	
JOY Fancoil EC 3AO	■	■		SD Card	24 V	3x			■	■ *	■
JOY Fancoil EC 3AO BACnet / KNX / RS485 Modbus	■	■		SD Card, BUS	24 V	2x			■	■ *	■
JOY SR Fancoil EC 3AO RS485 Modbus	■	■	■	SD Card, BUS	24 V	2x			■	■ *	■
JOY HC 3AO	■			SD Card	24 V	3x				■	■
JOY HC 3AO BACnet / KNX / RS485 Modbus	■			SD Card, BUS	24 V	2x				■	■
JOY SR HC 3AO RS485 Modbus	■		■	SD Card, BUS	24 V	2x				■	■



ERNST LEITZ HOTEL, WETZLAR, GERMANY



EUROPEAN CENTRAL BANK
FRANKFURT, GERMANY



PRINCESS ELISABETH STATION
BELGIAN POLAR RESEARCH STATION,
QUEEN MAUD LAND, ANTARCTIC



AIRPORT CHARLES DE GAULLE
PARIS, FRANCE



TOMSON RIVIERA APARTMENT TOWERS
SHANGHAI, CHINA



HOTEL BELLEVUE, DRESDEN, GERMANY



FAIRMONT HOTEL VIER JAHRESZEITEN
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HOTEL MANDARIN ORIENTAL
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