

# Product presentation







## VARIA 826

Multifunction/operation display including temperature control and time switch (thermostat)



## Description:

- **Page 1: room temperature:**

to control the room temperature for heating and cooling e.g. heating with additional level

- **Page 2 : weather data:**

Particularly to display actual weather data of the KNX weather station

Recording of the min./ max. values (temperature, wind)

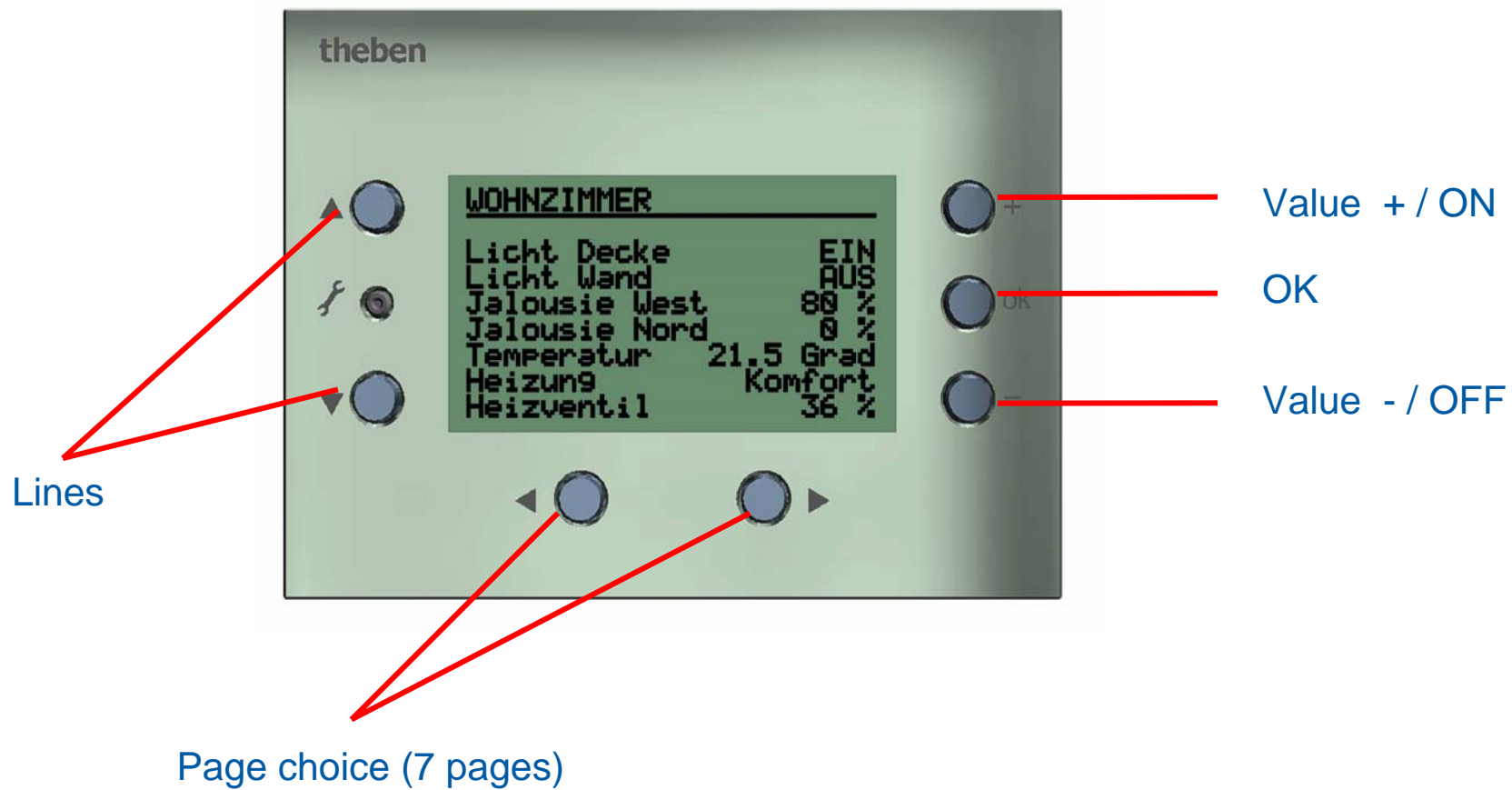


## Description:

- **Page 3 to 5: free to program via ETS**

e.g. to display values and to control functions (e.g. light scene, sun protection, ...) up to 40 values and functions

Appliance:



Appliance:

Page settings





### Characteristics:

- LCD with white backlight, dimmable
- Power reserve through embedded battery
- Dot matrix display with 132 x 72 dots





## Characteristics:

- 3 heating programs
- Continuous controller and 2 stage controller
- Regulation including the possibility to change the value for air conditioning (cooling and heating)
- Actuating variable can be a PWM signal or 2 byte object
- Objects for time and date
- Operation modes: comfort, comfort +, standby, nighttime switch-off, frost protection
- Also supports the fan coil actuator

1.1.6 Varia 824 / 826 EIB

**Allgemein**

Regelung	Nur Heizungsregelung
Zuordnung Sollwerte zu Betriebsarten	am Gerät einstellbar
Sollwerteinstellungen am Gerät	durch Download überschreiben
Sprache nach Download	Deutsch
Sprachwahl durch den Benutzer	freigegeben
Funktion Objekte Zeit und Datum	Zeit und Datum empfangen
Sommerzeitregel	wie Mitteleuropa

**1.1.6 Varia 824 / 826 EIB**

**Allgemein**

- Allgemein
- Einstellung RTR
- Sollwerte Heizen
- Sollwerte Kühlen
- Regelung Heizen
- Regelung Kühlen
- Istwert
- Lüfterstufen
- Wetterdaten
- Zeitprogramm Kanal 1
- Zeitprogramm Kanal 2
- Auswahl Anzeigeseiten
- Anzeigeobjekte Seite 1
- Seite 1, Zeile 1
- Seite 1, Zeile 2
- Seite 1, Zeile 3
- Seite 1, Zeile 4
- Seite 1, Zeile 5
- Seite 1, Zeile 6
- Seite 1, Zeile 7
- Seite 1, Zeile 8
- Anzeigeobjekte Seite 2
- Seite 2, Zeile 1
- Seite 2, Zeile 2
- Seite 2, Zeile 3
- Seite 2, Zeile 4
- Seite 2, Zeile 5

**Allgemein**

Regelung: Heizen und Kühlen

Zuordnung Sollwerte zu Betriebsarten: am Gerät einstellbar

Sollwerteinstellungen am Gerät: durch Download überschreiben

Sprache nach Download: Deutsch

Sprachwahl durch den Benutzer: freigegeben

Funktion Objekte Zeit und Datum: Zeit und Datum empfangen

Sommerzeitregel: wie Mitteleuropa

OK Abbrechen Standard Info Hilfe



**Technical data:**

Operating voltage: 230 V AC, 50 Hz (only for the LCD light + alarm)

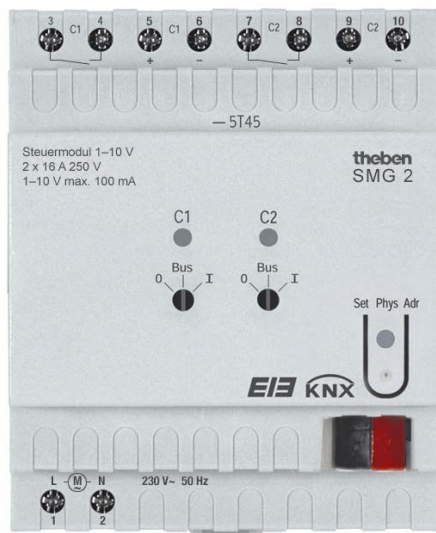
Consumption: < 2,5 VA

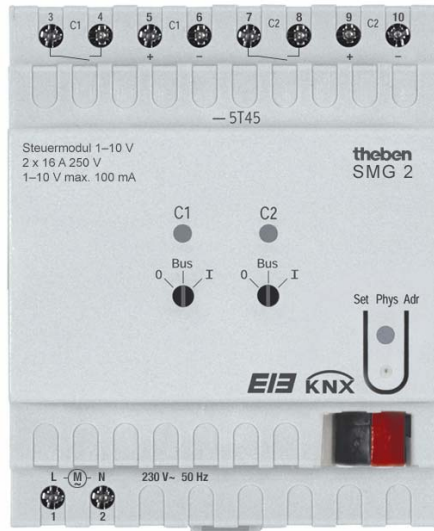
Bus power draw: < 8 mA



### Advantages:

- Multifunction display
- Including LCD backlight
- 3 heating programs
- No external software “plug in” needed
- Free programmable pages
- Including week clock with 8 channels (raster 15 min) min light, roller shutter, blower, heater, air conditioner
- Send e.g. temperature profiles for up to 7 rooms

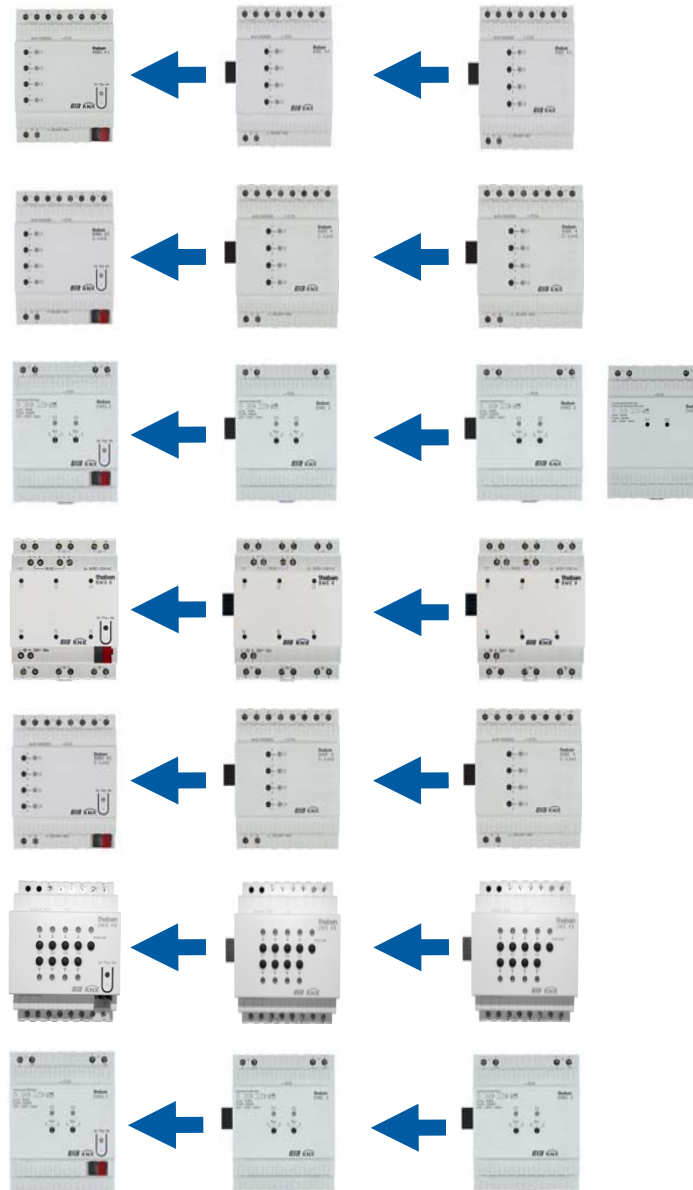




## SMG 2 /SME 2 control unit

Control unit for dimmable electronic ballast

# MIX



- Mix – Switching actuators
- Mix – C load
- Mix – Dimming actuator
- Mix – Binary input
- Mix – Heating actuator
- Mix – EVB actuator
- Mix – Control unit 1-10 V



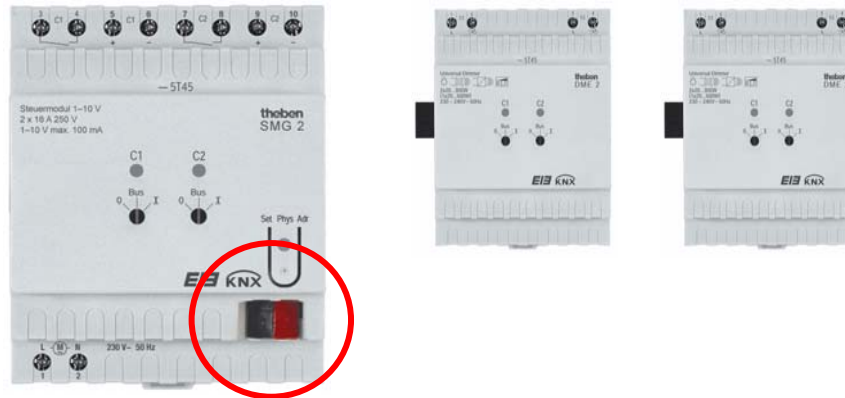
MIX

- SMG 2 base module + SME 2 extension module

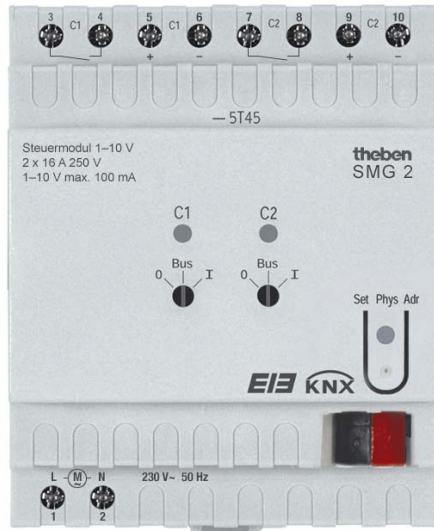


MIX

- SMG 2 control unit base module



Base unit including bus coupling unit



## Characteristics:

- Per channel:
  - relay output NOC for 230 V (resistive load)
  - control input 1-10 V
  - signal input max. 100 mA per channel
- Zero crossing circuit for relay switching
- Manual operating switch for ON, OFF, BUS mode to test the units also without programmed application (KNX bus power is not needed)





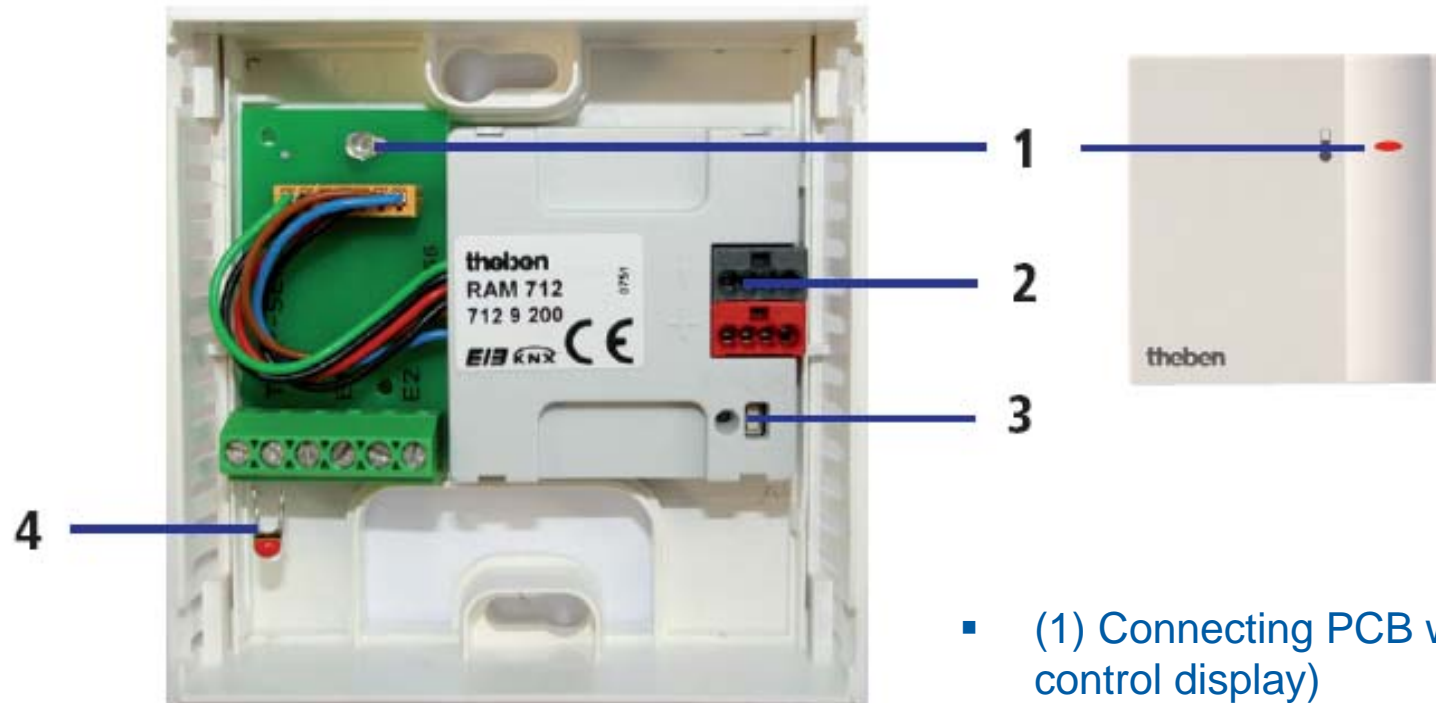
## RAM 712

Room temperature controller



### Description:

- Individual room controller for wall installation
  - Integrated bus coupler
  - Also for surface mounting
- electronic unit can be put out of the housing



- (1) Connecting PCB with LED (Heating control display)
- (2) Bus clamp
- (3) Program- LED und button for the physical address
- (4) temperature sensor NTC



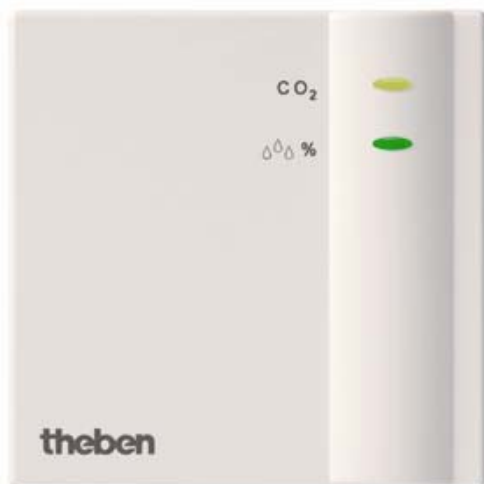
Temperature sensor NTC can be replaced by a floor sensor

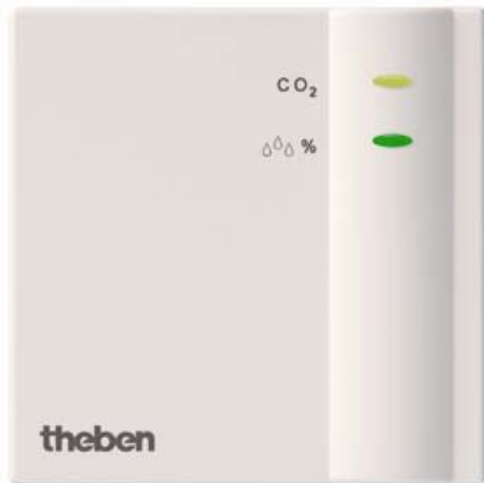




### Advantages:

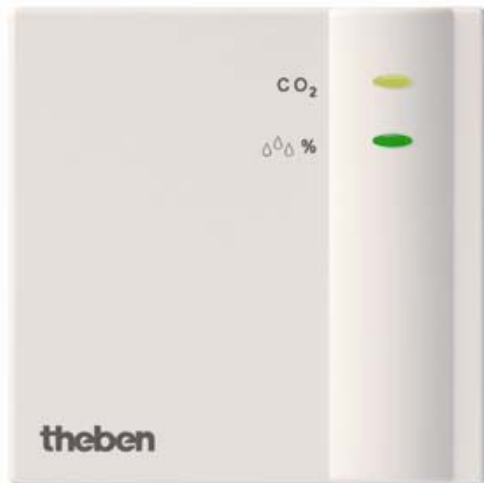
- Can be used to limit the floor temperature
- Possibility to mount in a Flush mounting box
- 2 binary inputs or outputs (for LED)





### AMUN 716 air ambiance sensor

CO<sub>2</sub> concentration, relative humidity und temperature



### Description:

- Temperature setting range 0-40 °C
- CO<sub>2</sub> adjustable range 500-2550 ppm
- Relative humidity setting range 20% - 100 %
- Measurements on the KNX bus
- Three thresholds for CO<sub>2</sub> and relative humidity
- One threshold for temperature
- Maintenance free CO<sub>2</sub> sensor



Parameter:

1.1.2 Amun 716

**Threshold CO2**

! Conditions for thresholds Threshold 1 < Threshold 2 < Threshold 3

Threshold 1 CO2 (in ppm)	50
Hysteresis	200 ppm
Threshold 2 CO2 (in ppm)	120
Hysteresis	200 ppm
Threshold 3 CO2 (in ppm)	200
Hysteresis	200 ppm

Measured values

- Threshold CO2
- Threshold 1 CO2
- Threshold 2 CO2
- Threshold 3 CO2
- Ventilation CO2
- Scenes CO2
- Thresholds humidity
- Threshold 1 humidity
- Threshold 2 humidity
- Threshold 3 humidity
- Ventilation humidity
- Scenes humidity
- Temperature threshold

OK Cancel Default Info Help

Parameter:

1.1.2 Amun 716

**Threshold 1 humidity**

- Measured values
- Threshold CO2
- Threshold 1 CO2
- Threshold 2 CO2
- Threshold 3 CO2
- Ventilation CO2
- Scenes CO2
- Thresholds humidity
- Threshold 1 humidity**
- Threshold 2 humidity
- Threshold 3 humidity
- Ventilation humidity
- Scenes humidity
- Temperature threshold

Telegram type for threshold 1 humidity: switching

If threshold 1 humidity is exceeded: send following telegram once

Telegram: switch on

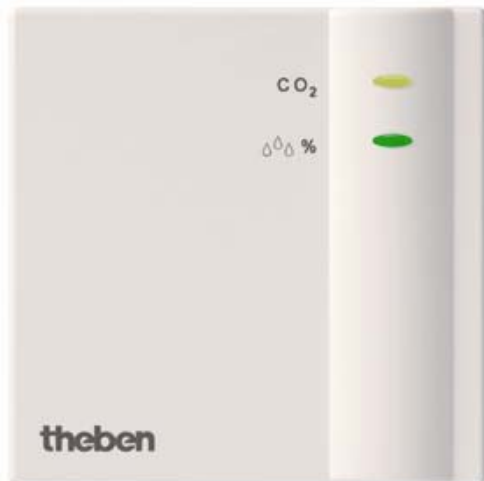
If threshold 1 humidity is underrun: send following telegram once

Telegram: switch off

Cycle time for threshold 1 humidity (if used): every 60 min.

Behaviour when setting the lock: ignore lock

OK Cancel Default Info Help



### Applications:

- Schools
- Public buildings
- Low energy houses
- Rooms without automatic ventilation



# Product presentation

