



S+S REGELTECHNIK

RYMASKON® 1000 RYMASKON® 2000/3000

BUS-CAPABLE ROOM CONTROL UNITS –
THE PERFECT SOLUTION FOR
INTELLIGENT INDIVIDUAL ROOM CONTROL



PRODUCT RANGE 2024



S+S REGELTECHNIK USA DIVISION

NEW

RYMASKON® 1000

RYMASKON® 2000 / 3000

The perfect solution for intelligent individual room control

For the extended product family of modern individual room control units **RYMASKON® 1000 / 2000 / 3000**, we have developed our new Iduna housing series. In a timeless look with high-quality surfaces in white and black.

The graphic **design** with international symbols and multiple languages offers the perfect solution for all visible areas in the building. Intuitive operation is via touch keys or touch screen.

High-contrast **colour displays** with strong LED backlighting allow effortless reading up to a viewing angle of 85°, even under unfavourable conditions, such as strong solar irradiation.

It also **saves power** with features such as automatic brightness adjustment, stand-by mode or wake-up function using hand gestures.

The room climate can be monitored in up to 5 zones via the integrated **sensor**



INTEGRATED SENSOR TECHNOLOGY



INTUITIVE CONTROL

technology. The ability to detect open windows and a programmable reset function round out the features, which include the control of temperature, fan, sun protection and lighting. In this way, buildings can be operated in an **energy-optimised** and **environmentally-friendly** manner.

Interface and controller variants are available with a wide range of technical options. Optionally with communication interface (Modbus, BACnet, KNX) or with active outputs (0-10 V).

Further **information** on the new **RYMASKON** unit series can be found on the following pages.

RYMASKON® 1000

2.0" TFT display or LEDs,
touch keys (Iduna 3 housing)

RYMASKON® 2000 / 3000

4.3" TFT touch display (Iduna 5 housing)
5.0" TFT touch display (Iduna 6 housing)

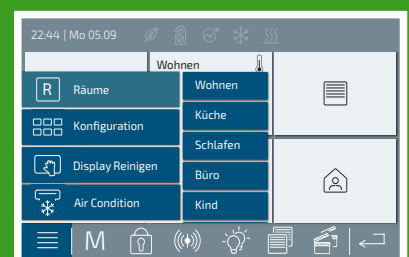
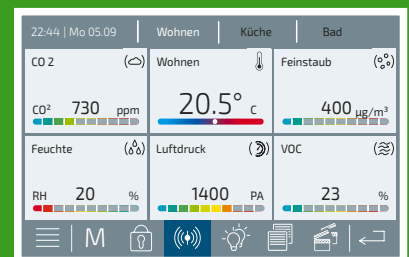







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S+S ADDED VALUE

- Timeless design in the elegant Iduna housing (white or black colour)
- Intuitive operation with modern graphics via touch keys or touch screen
- Integrated environment sensor technology enables energy-efficient room ventilation and a comfortable climate
- Power-saving and environmentally friendly thanks to features, such as automatic brightness adjustment and reset, stand-by, wake-up, time control, etc.
- Extensive room lighting control with dimming function and advanced colour settings
- Many standard languages for menu control (DE, EN, FR, ES, IT, RU, others available upon request)
- Quick and easy installation (push-in terminals) and mounting (on in-wall flush box or on-wall)
- Wide range of configuration options



RYMASKON® 130x		Interface (basic models) Room control units for temperature adjustment					
Type / WG02	Communi- cation	Measuring element	Control system	Colour / Housing	Display	Item no.	Price USD
RYMASKON® 130x MOD				Iduna 3			
RYM 1301-RH-MOD	Modbus	T RH	T - R	white		RYM1-3011-M210-000	\$239.16
RYM 1302-RH-MOD	Modbus	T RH	T - R	black		RYM1-3021-M210-000	\$239.16
RYMASKON® 130x WMOD				Iduna 3			
RYM 1301-RH-WMOD	W-Modbus	T RH	T - R	white		RYM1-3011-W210-000	\$329.56
RYM 1302-RH-WMOD	W-Modbus	T RH	T - R	black		RYM1-3021-W210-000	\$329.56

RYMASKON® 140x		Interface (basic models) Room control units for temperature and fan adjustment					 
Type / WG02	Communi- cation	Measuring element	Control system	Colour / Housing	Display	Item no.	Price USD
RYMASKON® 140x MOD				Iduna 3			
RYM 1401-RH-MOD	Modbus	T RH	T F R	white		RYM1-4011-M210-000	\$239.16
RYM 1402-RH-MOD	Modbus	T RH	T F R	black		RYM1-4021-M210-000	\$239.16
RYMASKON® 140x WMOD				Iduna 3			
RYM 1401-RH-WMOD	W-Modbus	T RH	T F R	white		RYM1-4011-W210-000	\$329.56
RYM 1402-RH-WMOD	W-Modbus	T RH	T F R	black		RYM1-4021-W210-000	\$329.56
Measuring element / control system:	T = Temperature sensor (basic equipment) RH = Humidity sensor		T = Temperature F = Fan R = Room occupancy				

OPTIONS			
Measuring elements:	CO2 = CO2 sensor	Extra charge	\$139.67
	VOC = VOC sensor	Extra charge	\$136.18
Control:	B / L Buttons for sun protection and/or light	on request	
Communication:	without Modbus	on request	
Optional:	More type versions available upon request!		

HIGHLIGHTS 1000

- 2,0" TFT display (320x240x3 RGB pixels) with LED backlighting, high contrast, 85° viewing angle
- 10 capacitive keys (freely configurable) alternatively with adjusting wheels (available upon request)
- Iduna 3 housing (approx. 4.37 x 3.50 inch)
- Integrated sensor technology (temperature, humidity, CO2, VOC) with limit value monitoring
- Control of temperature, fan, sun protection (max. 2 circuits) and lighting with dimming function
- Bus capable communication (Modbus, BACnet, KNX) or active outputs (0-10 V)
- **RYMASKON® 1000 Interface**
Device type for controlling heating, cooling, fans via the Modbus
- **RYMASKON® 1000 Controller**
Device type for direct control for heating convectors and fan coils, with continuous output (0-10 V) or with 2-point or 3-point regulation (relay) for 2-pipe and 4-pipe systems
- Other configuration options see number key (catalogue) or on request

RYMASKON® 13xx C

Controller (basic model) for heating convectors (HC) for temperature adjustment



Type / WG02 Control outputs	Communi- cation	Measuring element	Control system	Colour / Housing	Display	Item no.	Price USD
[1] 2 RO (heating, cooling, 230 V AC, max. 500 mA) + 1 AO (6-way valve, 0-10 V)							
RYMASKON® 131x C				Iduna 3			
RYM 1311C-RH-WMOD	W-Modbus	T RH	T - R	white	■	RYM1-3111-W220-000	\$346.36
RYM 1312C-RH-WMOD	W-Modbus	T RH	T - R	black	■	RYM1-3121-W220-000	\$346.36
[2] 3 AO (heating, cooling, 6-way valve, 0-10 V)							
RYMASKON® 132x C				Iduna 3			
RYM 1321C-RH-MOD	Modbus	T RH	T - R	white	■	RYM1-3211-M210-000	\$255.96
RYM 1322C-RH-MOD	Modbus	T RH	T - R	black	■	RYM1-3221-M210-000	\$255.96
RYM 1321C-RH-WMOD	W-Modbus	T RH	T - R	white	■	RYM1-3211-W210-000	\$346.36
RYM 1322C-RH-WMOD	W-Modbus	T RH	T - R	black	■	RYM1-3221-W210-000	\$346.36
[3] 2 AO (heating, cooling, 0-10V) + 2 DO (heating, cooling, 24 V, max. 1 A resistive load)							
RYMASKON® 136x C				Iduna 3			
RYM 1361C-RH-MOD	Modbus	T RH	T - R	white	■	RYM1-3611-M210-000	\$255.96
RYM 1362C-RH-MOD	Modbus	T RH	T - R	black	■	RYM1-3621-M210-000	\$255.96
RYM 1361C-RH-WMOD	W-Modbus	T RH	T - R	white	■	RYM1-3611-W210-000	\$346.36
RYM 1362C-RH-WMOD	W-Modbus	T RH	T - R	black	■	RYM1-3621-W210-000	\$346.36

RYMASKON® 14xx C

Controller (basic models) for FAN COILS for temperature and fan adjustment



Type / WG02 Control outputs	Communi- cation	Measuring element	Control system	Colour / Housing	Display	Item no.	Price USD
[4] 3 AO (heating, cooling 6-way valve, EC fan, 0-10 V)							
RYMASKON® 143x C				Iduna 3			
RYM 1431C-RH-MOD	Modbus	T RH	T F R	white	■	RYM1-4311-M210-000	\$255.96
RYM 1432C-RH-MOD	Modbus	T RH	T F R	black	■	RYM1-4321-M210-000	\$255.96
RYM 1431C-RH-WMOD	W-Modbus	T RH	T F R	white	■	RYM1-4311-W210-000	\$346.36
RYM 1432C-RH-WMOD	W-Modbus	T RH	T F R	black	■	RYM1-4321-W210-000	\$346.36
[5] 5 RO (heating, cooling, 230 VAC, max. 500 mA 3-level fan, 230 VAC, max. 3 A)							
RYMASKON® 144x C				Iduna 3			
RYM 1441C-RH-WMOD	W-Modbus	T RH	T F R	white	■	RYM1-4411-W220-000	\$346.36
RYM 1442C-RH-WMOD	W-Modbus	T RH	T F R	black	■	RYM1-4421-W220-000	\$346.36
[6] 2 RO (heating, cooling, 230 VAC, max. 500 mA) + 1 AO (EC fan, 0-10 V)							
RYMASKON® 145x C				Iduna 3			
RYM 1451C-RH-WMOD	W-Modbus	T RH	T F R	white	■	RYM1-4511-W220-000	\$346.36
RYM 1452C-RH-WMOD	W-Modbus	T RH	T F R	black	■	RYM1-4521-W220-000	\$346.36
[7] 2 AO (heating, cooling, EC fan, 0-10V) + 2 DO (heating, cooling, 24 V, max. 1 A resistive load)							
RYMASKON® 146x C				Iduna 3			
RYM 1461C-RH-MOD	Modbus	T RH	T F R	white	■	RYM1-4611-M210-000	\$255.96
RYM 1462C-RH-MOD	Modbus	T RH	T F R	black	■	RYM1-4621-M210-000	\$255.96
RYM 1461C-RH-WMOD	W-Modbus	T RH	T F R	white	■	RYM1-4611-W210-000	\$346.36
RYM 1462C-RH-WMOD	W-Modbus	T RH	T F R	black	■	RYM1-4621-W210-000	\$346.36

Type 1301



Type 1402



Variant with lighting and sun protection



RYMASKON® 2000 C
Controller (4.3"), for temperature adjustment on heating convectors (**HC**) and fan coils (**FANCOIL**)


Type / WG02 control outputs	Communication	Measuring elements / controller	Colour / Housing	Display	Item no.	Price USD
[1] 3 AO (heating, cooling, 6-way valve, EC fan, 0-10 V)						
RYMASKON® 203x C MOD		T F R B L	Iduna 5			
RYM 2031C-RH-MOD	Modbus	T RH	white	■	RYM2-0311-M210-000	\$519.80
RYM 2032C-RH-MOD	Modbus	T RH	black	■	RYM2-0321-M210-000	\$519.80
RYM 2031C-RH-CO2-MOD	Modbus	T RH CO2	white	■	RYM2-0311-M610-000	\$619.24
RYM 2032C-RH-CO2-MOD	Modbus	T RH CO2	black	■	RYM2-0321-M610-000	\$619.24
RYM 2031C-RH-CO2-VOC-MOD	Modbus	T RH CO2 VOC	white	■	RYM2-0311-M810-000	\$708.51
RYM 2032C-RH-CO2-VOC-MOD	Modbus	T RH CO2 VOC	black	■	RYM2-0321-M810-000	\$708.51
RYMASKON® 203x C WMOD		T F R B L	Iduna 5			
RYM 2031C-RH-WMOD	W-Modbus	T RH	white	■	RYM2-0311-W210-000	\$610.20
RYM 2032C-RH-WMOD	W-Modbus	T RH	black	■	RYM2-0321-W210-000	\$610.20
RYM 2031C-RH-CO2-WMOD	W-Modbus	T RH CO2	white	■	RYM2-0311-W610-000	\$709.64
RYM 2032C-RH-CO2-WMOD	W-Modbus	T RH CO2	black	■	RYM2-0321-W610-000	\$709.64
RYM 2031C-RH-CO2-VOC-WMOD	W-Modbus	T RH CO2 VOC	white	■	RYM2-0311-W810-000	\$798.91
RYM 2032C-RH-CO2-VOC-WMOD	W-Modbus	T RH CO2 VOC	black	■	RYM2-0321-W810-000	\$798.91
[2] 2 AO (heating, cooling, EC fan, 0-10 V) + 2 DO (heating, cooling, 24 V, max. 1 A resistive load)						
RYMASKON® 206x C MOD		T F R B L	Iduna 5			
RYM 2061C-RH-MOD	Modbus	T RH	white	■	RYM2-0611-M210-000	\$519.80
RYM 2062C-RH-MOD	Modbus	T RH	black	■	RYM2-0621-M210-000	\$519.80
RYM 2061C-RH-CO2-MOD	Modbus	T RH CO2	white	■	RYM2-0611-M610-000	\$619.24
RYM 2062C-RH-CO2-MOD	Modbus	T RH CO2	black	■	RYM2-0621-M610-000	\$619.24
RYM 2061C-RH-CO2-VOC-MOD	Modbus	T RH CO2 VOC	white	■	RYM2-0611-M810-000	\$708.51
RYM 2062C-RH-CO2-VOC-MOD	Modbus	T RH CO2 VOC	black	■	RYM2-0621-M810-000	\$708.51
RYMASKON® 206x C WMOD		T F R B L	Iduna 5			
RYM 2061C-RH-WMOD	W-Modbus	T RH	white	■	RYM2-0611-W210-000	\$610.20
RYM 2062C-RH-WMOD	W-Modbus	T RH	black	■	RYM2-0621-W210-000	\$610.20
RYM 2061C-RH-CO2-WMOD	W-Modbus	T RH CO2	white	■	RYM2-0611-W610-000	\$709.64
RYM 2062C-RH-CO2-WMOD	W-Modbus	T RH CO2	black	■	RYM2-0621-W610-000	\$709.64
RYM 2061C-RH-CO2-VOC-WMOD	W-Modbus	T RH CO2 VOC	white	■	RYM2-0611-W810-000	\$798.91
RYM 2062C-RH-CO2-VOC-WMOD	W-Modbus	T RH CO2 VOC	black	■	RYM2-0621-W810-000	\$798.91

HIGHLIGHTS 2000

- 4.3" TFT display (800x480x3 RGB pixels) with LED backlighting, high contrast, 85° viewing angle
- High-performance Quad Core CPU with 1.5 GHz, 512 MB RAM and 4 GB memory
- Iduna 5 housing (approx. 5.08 x 3.46 inch)
- Integrated sensor technology (temperature, humidity, CO2, VOC) with limit value monitoring
- Control of temperature and ventilation
- Control of 4 circuits each for sun protection and lighting
- Freely configurable function icons (e.g. lighting or sun protection)
- 8 scenes with start and end time (e.g. meeting, cinema, holiday, etc.)
- 'Please do not disturb' (e.g. in hotels, offices, practices)
- Bus capable communication (Modbus, BACnet, KNX) or active outputs (0-10 V)
- Controller unit type for heating convectors and fan coils, with continuous output (0-10 V) or with 2-point or 3-point regulation (relay) for 2-pipe and 4-pipe systems
- Other configuration options

UPGRADE 3000

- 5.0" TFT display (800x480x3 RGB pixels)
- Iduna 6 housing (approx. 5.63 x 3.86 inch)
- Control of 20 circuits each for sun protection and lighting
- Additional multi-room control (up to 5 rooms)

R YMASKON® 2000

Interface (4.3")

Room control units with touch display

Type / WG02	Communi- cation	Measuring elements / controller	Colour / Housing	Display	Item no.	Price USD
R YMASKON® 2000 MOD		T F R B L	Iduna 5			
R YM 2001-RH-MOD	Modbus	T RH	white	■	R YM2-0011-M210-000	\$491.55
R YM 2002-RH-MOD	Modbus	T RH	black	■	R YM2-0021-M210-000	\$491.55
R YM 2001-RH-CO2-MOD	Modbus	T RH CO2	white	■	R YM2-0011-M610-000	\$590.99
R YM 2002-RH-CO2-MOD	Modbus	T RH CO2	black	■	R YM2-0021-M610-000	\$590.99
R YM 2001-RH-CO2-VOC-MOD	Modbus	T RH CO2 VOC	white	■	R YM2-0011-M810-000	\$680.26
R YM 2002-RH-CO2-VOC-MOD	Modbus	T RH CO2 VOC	black	■	R YM2-0021-M810-000	\$680.26
R YMASKON® 2000 WMOD		T F R B L	Iduna 5			
R YM 2001-RH-WMOD	W-Modbus	T RH	white	■	R YM2-0011-W210-000	\$581.95
R YM 2002-RH-WMOD	W-Modbus	T RH	black	■	R YM2-0021-W210-000	\$581.95
R YM 2001-RH-CO2-WMOD	W-Modbus	T RH CO2	white	■	R YM2-0011-W610-000	\$681.39
R YM 2002-RH-CO2-WMOD	W-Modbus	T RH CO2	black	■	R YM2-0021-W610-000	\$681.39
R YM 2001-RH-CO2-VOC-WMOD	W-Modbus	T RH CO2 VOC	white	■	R YM2-0011-W810-000	\$770.66
R YM 2002-RH-CO2-VOC-WMOD	W-Modbus	T RH CO2 VOC	black	■	R YM2-0021-W810-000	\$770.66

R YMASKON® 3000

Interface (5.0")

Room control units with touch display

Type / WG02	Communi- cation	Measuring elements / controller	Colour / Housing	Display	Item no.	Price USD
R YMASKON® 3000 MOD		T F R B L	Iduna 6			
R YM 3001-RH-MOD	Modbus	T RH	white	■	R YM3-0011-M210-000	\$525.45
R YM 3002-RH-MOD	Modbus	T RH	black	■	R YM3-0021-M210-000	\$525.45
R YM 3001-RH-CO2-MOD	Modbus	T RH CO2	white	■	R YM3-0011-M610-000	\$624.89
R YM 3002-RH-CO2-MOD	Modbus	T RH CO2	black	■	R YM3-0021-M610-000	\$624.89
R YM 3001-RH-CO2-VOC-MOD	Modbus	T RH CO2 VOC	white	■	R YM3-0011-M810-000	\$714.16
R YM 3002-RH-CO2-VOC-MOD	Modbus	T RH CO2 VOC	black	■	R YM3-0021-M810-000	\$714.16
R YMASKON® 3000 WMOD		T F R B L	Iduna 6			
R YM 3001-RH-WMOD	W-Modbus	T RH	white	■	R YM3-0011-W210-000	\$615.85
R YM 3002-RH-WMOD	W-Modbus	T RH	black	■	R YM3-0021-W210-000	\$615.85
R YM 3001-RH-CO2-WMOD	W-Modbus	T RH CO2	white	■	R YM3-0011-W610-000	\$715.29
R YM 3002-RH-CO2-WMOD	W-Modbus	T RH CO2	black	■	R YM3-0021-W610-000	\$715.29
R YM 3001-RH-CO2-VOC-WMOD	W-Modbus	T RH CO2 VOC	white	■	R YM3-0011-W810-000	\$804.56
R YM 3002-RH-CO2-VOC-WMOD	W-Modbus	T RH CO2 VOC	black	■	R YM3-0021-W810-000	\$804.56

OPTIONS

Equipment:

**measuring elements
(sensors)**

T = temperature [°C/°F]
RH = relative humidity [%]
CO2 = carbon dioxide [ppm]
VOC = air quality [%]

Controller

T = temperature
F = fan
R = room occupancy
B = sun protection (blind)
L = light

Type versions:

Combined measuring elements **T | RH | VOC** on request
 On-wall housing on request

Type 3001

Type 2001

Type 2002





S+S REGELTECHNIK



The new S+S company headquarters on a total area of 14,000 m² in Nordostpark on the outskirts of Nuremberg offers a seamlessly integrated production and development environment with excellent air and road links.

S+S stands for a fully integral value chain. All products are designed, developed, manufactured and programmed in-house.

Development, manufacturing and sales in Nuremberg are certified by TÜV Thüringen according to DIN EN ISO 9001:2015 (quality management) and DIN EN ISO 14001:2015 (environmental management).

All devices are function tested as well as calibrated in-house prior to shipment and meet strict safety, quality and sustainability standards.



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