



S+S REGELTECHNIK

# Omni Ray

Power of Automation



## RYMASKON®

MODBUS CAPABLE ROOM CONTROLLERS  
FOR ROOM AUTOMATION

EFFICIENT, INTERCONNECTIVE AND CONVENIENT

- > Stylish design
- > Touch interface
- > Large display



PRODUCT RANGE 2020

FÜHLBARE PRÄZISION



ROOM CONTROLLER

# RYMASKON® 200-Modbus



## FEATURES AT A GLANCE

- > Modbus RTU interface (RS485)
- > Integrated temperature and humidity sensors
- > 3 digital and 1 universal input
- > Compact housing (94.5 x 110 x 19.5 mm)
- > Programmable LCD multi-function display with RGB backlight in configurable colour (7 basic settings possible), as well as intensity and overall brightness
- > 4 to 8 touch function keys
- > International icons
- > Menu supported configuration
- > Buzzer for key tone, fault warning and alarm

# ROOM CONTROLLER RYMASKON® 400-Modbus



## FEATURES AT A GLANCE

- > Modbus RTU interface (RS485)
- > Integrated temperature sensor
- > 2 digital inputs and 2 digital or analogue outputs
- > Suitable also for stand-alone single-room control
- > Flat housing (88 x 173 x 15.5 mm)  
with glass front panel in piano-like finish
- > Programmable LCD multi-function display  
with dimmable backlight
- > Menu supported configuration by  
means of recessed rotary encoder with central input key
- > 6 user assignable touch function keys
- > International icons
- > Infrared proximity sensor

# THE SELF-SUFFICIENT RYMASKON® 400-Modbus

RYMASKON® 411-Modbus  
with 2 analogue outputs



RYMASKON® 412-Modbus  
with 2 analogue outputs



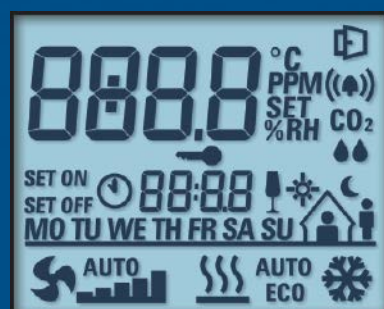
RYMASKON® 421-Modbus  
with 2 digital outputs



RYMASKON® 422-Modbus  
with 2 digital outputs



Display symbols  
RYMASKON® 400-Modbus



## RYMASKON® 400-Modbus Room Controller for Room Automation

Type / WG02	Communication	Output	Colour	Display	Item No.	Price
<b>RYMASKON® 410-Modbus</b>						
RYMASKON 411	RS485	2x (analogue) 0-10 V	black	■	1901-5121-2101-000	541,50 CHF
RYMASKON 412	RS485	2x (analogue) 0-10 V	white	■	1901-5121-2102-000	541,50 CHF
<b>RYMASKON® 420-Modbus</b>						
RYMASKON 421	RS485	2x (digital / PWM)	black	■	1901-5121-2201-000	541,50 CHF
RYMASKON 422	RS485	2x (digital / PWM)	white	■	1901-5121-2202-000	541,50 CHF

PWM = pulse width modulation



As a user configurable device, **RYMASKON® 400-Modbus** can be integrated in a Modbus network for automated surveillance and control of room climate and lighting. This enables an energy efficient, on-demand room climate control as part of an overall facility management system.

#### ALSO FOR USE AS STAND-ALONE ROOM CONTROLLER

The controller has an integrated room temperature sensor. For further sensors as well as ventilation and/or sun screen control, the device offers two digital inputs and two analogue (Type 411 / 412) or digital outputs (Type 421 / 422). Thanks to these internal outputs, the values and settings on-site do not necessarily have to be processed by the Modbus master, which also provides a reliable, self-sufficient single-room control at any time.

#### INTUITIVE TOUCH OPERATION

The stylish flat housing features a glass front panel available in black (Type 411 / 421) or white (Type 412 / 422) high-gloss finish. The multifunction display has a dimmable backlight. There are six freely assignable sensor keys and a recessed capacitive rotary encoder with central input key for convenient on-site operation and menu guided configuration, supported by easily comprehensible icons. A proximity sensor facilitates the activation of functions (e.g. lights "ON") and the display of selected values when entering the room. A special cleaning mode prevents accidental changes of settings.

LCD multi-function display with backlight and RGB color selection

Glass front panel

Menu key

Temperature

Room occupancy key

Ventilation

Lights



As a user configurable device, **RYMASKON® 200-Modbus** can be integrated in a Modbus network for automated surveillance and control of room climate and lighting. This enables an energy efficient, on-demand room climate control as part of an overall facility management system.

#### SIX VERSIONS IN A COMPACT HOUSING

The range comprises six models with four to eight capacitive sensor keys, from the basic device (Type 211 / 212) for temperature control and room occupancy to the premium version (Type 261 / 262) for comprehensive room climate control, including lights, ventilation and sun screens. A buzzer confirms keys strokes and can also be used for acoustic fault and alarm warnings. Integrated sensors measure room temperature, relative humidity and condensation point. There are four inputs (3 digital and 1 universal) available for connecting external sensors and switches.

#### SELECTABLE DISPLAY COLORS

The compact housing features a glass front panel in stylish black or white high-gloss finish. International icons facilitate the operation and menu guided configuration of the device. The backlight color and brightness of the multi-function display can be adapted to the room design. A special cleaning mode prevents accidental changes of settings.

Display symbols  
**RYMASKON® 200-Modbus**



# THE COMPACT RYMASKON® 200-Modbus



RYMASKON® 211-Modbus, black, with keys for temperature, room occupancy and menu



RYMASKON® 221-Modbus, black, with keys for temperature, ventilation, room occupancy and menu



RYMASKON® 231-Modbus, black, with keys for temperature, ventilation, lights, room occupancy and menu



RYMASKON® 242-Modbus, white, with keys for temperature, sun screens, lights, room occupancy and menu



RYMASKON® 252-Modbus, white, with keys for temperature, ventilation, sun screens, room occupancy and menu



RYMASKON® 262-Modbus, white, for temperature, ventilation, sun screens, lights and menu

## RYMASKON® 200-Modbus Room Controller for Room Automation

Type / WG02	Communication	Keys	Control	Color	Display	Item No.	Price
<b>RYMASKON® 210-Modbus</b>							
RYMASKON 211	RS485, NFC, NEC	4	T   -   -   -   R   M	black	■	1901-5111-3011-001	337,20 CHF
RYMASKON 212	RS485, NFC, NEC	4	T   -   -   -   R   M	white	■	1901-5111-3012-001	349,10 CHF
<b>RYMASKON® 220-Modbus</b>							
RYMASKON 221	RS485, NFC, NEC	6	T   V   -   -   R   M	black	■	1901-5111-3011-002	337,20 CHF
RYMASKON 222	RS485, NFC, NEC	6	T   V   -   -   R   M	white	■	1901-5111-3012-002	349,10 CHF
<b>RYMASKON® 230-Modbus</b>							
RYMASKON 231	RS485, NFC, NEC	8	T   V   -   L   R   M	black	■	1901-5111-3011-003	337,20 CHF
RYMASKON 232	RS485, NFC, NEC	8	T   V   -   L   R   M	white	■	1901-5111-3012-003	349,10 CHF
<b>RYMASKON® 240-Modbus</b>							
RYMASKON 241	RS485, NFC, NEC	8	T   -   S   L   R   M	black	■	1901-5111-3011-004	337,20 CHF
RYMASKON 242	RS485, NFC, NEC	8	T   -   S   L   R   M	white	■	1901-5111-3012-004	349,10 CHF
<b>RYMASKON® 250-Modbus</b>							
RYMASKON 251	RS485, NFC, NEC	8	T   V   S   -   R   M	black	■	1901-5111-3011-005	337,20 CHF
RYMASKON 252	RS485, NFC, NEC	8	T   V   S   -   R   M	white	■	1901-5111-3012-005	349,10 CHF
<b>RYMASKON® 260-Modbus</b>							
RYMASKON 261	RS485, NFC, NEC	8	T   V   S   L   -   M	black	■	1901-5111-3011-006	337,20 CHF
RYMASKON 262	RS485, NFC, NEC	8	T   V   S   L   -   M	white	■	1901-5111-3012-006	349,10 CHF
<b>Control:</b>	<b>T</b> = Temperature <b>S</b> = Sun screens	<b>V</b> = Ventilation <b>L</b> = Lights	<b>R</b> = Room occupancy <b>M</b> = Menu				



S+S REGELTECHNIK



- > 65 employees
- > 500m<sup>2</sup> of office / administration space
- > 4000m<sup>2</sup> of manufacturing space
- > 800m<sup>2</sup> finished parts warehouse
- > 24-hours shipment service
- > Made-to-order production

### A PASSION FOR INNOVATION

S+S Regeltechnik defines itself as a flexible and innovative partner for your requirements, from the single device to networked facility automation. To us, innovation means to lead the market both in technology and in quality. This is how we back up your investment in products that express our passion for reliability and precision.

### BROAD PORTFOLIO

Our sensors, thermostats, transducers, hygrometers, guards, detectors and room climate controllers for facility engineering are designed to be multifunctional. This reduces the diversity of types and expands their application potential. Thanks to microprocessor technology, almost any measuring range can be represented, including custom specifications.

### SUPERIOR QUALITY & CERTIFIED SAFETY

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

## Omni Ray

Power of Automation

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Qualitätsmanagementsystem  
ISO 9001

- Kundenorientierung
- Kundenzufriedenheit
- Fortlaufende Verbesserung
- System- bzw. Prozesswirksamkeit

ID 15 100 21333

www.tuev-thueringen.de

### S+S REGELTECHNIK GMBH

Our development and production in Nuremberg, Germany, is certified by the Technical Inspection Authority (TÜV) in Thuringia to DIN EN ISO 9001:2015.



DIN tested  
and certified



RoHS tested  
and certified



ESD compliant  
manufacturing



EAC  
certified



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to CIS member states



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