Synco™ 700

Switching and monitoring device RMS705B

- Various switching and monitoring functions combined with mathematical and physical operations (calculations, minimum, maximum and average calculations, enthalpy, signal doubler/inverter).
- Lead/lag control of pumps, fans, motors, refrigeration machines, etc. with runtime balancing.
- 3 universal controllers with limiting function.
- Data acquisition: Pulse count (for display purposes), operating hours count, trend display of data as well as event logging (e.g. for legionella function).
- Freely configurable, thanks to extended configuration options.
- For additional, universal inputs for displaying and monitoring/alarming.
- Modular extendable with extension modules RMZ785, RMZ787, and RMZ788.
- Menu-driven operation with separate operator unit: Plug-in type or detached mounting.
- KNX bus connection for operation and process information.
Application

- To control and monitor plant elements from heating, ventilation and refrigeration technology
- Free configuration of application

The device offers extended configuration opportunities for free configuration as part of the available function blocks and includes, for this reason, no predefined standard applications.

As is the case for all Synco™ 700 devices, once an application is created, it can be archived as readable and writable parameter sets and can be reused for additional plants as modified or identical applications.

Functions

### Universal inputs

8 universal inputs for
- Passive or active analog input signals of the following measured values (°C, %, g/kg, kJ/kg, W/m², bar, mbar, m/s, Pa, and ppm, Universal 000.0, Universal 0000, pulse).
- Digital input signals (potential-free contacts)

### Additional I/Os through extension modules

Additional inputs and outputs to extend functionality.

Total **max. 4 extension modules per RMS705B** can be connected.

Select from:
- 1x universal module RMZ785 (8 UI)
- 2x universal modules RMZ787 (4 UI, 4 DO)
- 2x universal modules RMZ788 (4 UI, 2 AO, 2 DO)

Maximum extension results:
- Maximum 28 universal inputs
  (LG-Ni1000, 2x LG-Ni1000, Pt1000, T1, DC 0...10 V, 0…1000 Ω (setpoint), digital, pulse (mechanical, electronic)).
- Maximum 18 control output relays.
- Maximum 8 modulating outputs DC 0...10 V.

### Data acquisition

**Pulse meter** (for display only, not for billing purposes).

4 meters are available to acquire consumption data.

Pulses from gas, hot water, cold water and electricity meters are processed.
- Pulse metering
  (Wh, kWh, MWh, kJ, MJ, GJ, ml, l, m3, heating costs units, BTU, no unit).

**Hours run counter**

4 operating hour meters are available with the current display of
- Operating hours
- Maintenance message (with adjustable time interval)
- Operating hours since the last maintenance

**Trend data display**

Up to 4 independent trend channels available to log measured values for a set period.

Room temperature and outside air temperatures can be logged by the KNX bus in addition to logical device inputs.
Event logging (e.g. for legionella function)
Four event loggers are available. Use the event logger to log events and monitor their mandatory occurrence.
- Logging of the last 10 events per logger with time and date stamp upon reaching value "Limit value on" and "Limit value off".
- Save max. or min. value during event.
- Selectable fault message for breaching or exceeding the minimum and maximum
  - Event cycle time.
  - Event length.

Universal motor blocks
Six universal motor blocks are available to control and monitor motors.
Applicable per motor block
- 1-speed motor (pump, fan)
- 2-speed motor (fan)
- Twin motor (twin motor, twin pump)
- Precommand for preceding dampers and valves
- Various adjustable times
- Motor kick and ON for low outside air temperature
- Operating hours per motor block

Rotary step switch
2 rotary step switches are available with selectable step switch characteristic per block as
- Linear step switch
- Binary step switch
- Flexible step switch
- With staged precommand, switching and modulating outputs
- Lead/lag control of pumps, fans, motors, refrigeration machines, etc. with runtime balancing
- Various adjustable times

Logic function blocks
10 freely configurable logic function blocks are available to process multiple logically linked universal input variables.
- Configurable logic functions: AND, NAND, OR, NOR, EXOR and EXNOR
- Adjustable switch-on and switch-off delay and minimum switch-on and switch-off time.
- Operating switch (AUTO, ON, OFF), configurable for manual control.

7-day time switches
Six 7-day time switches with the following functions are available:
- 6 switch on and off time daily, configurable relay output.
- Yearly time switch with automatic summer-/wintertime changeover.
- Operating switch (AUTO, ON, OFF), configurable for manual control.
- Configurable vacation and special day program.
- Can receive other weekly scheduler programs via KNX bus as slave (transmission not possible).

Comparators
- 2 comparators are available to compare two analog input signals.
- Output signal with adjustable switch on and off delay as well as adjustable minimum switch on and off period.
Calculators
- Calculators can convert input values by self-generated formula or using optional standard formulas \((A-B) \times C\) in output values (DC 0…10 V).
- 4 base operations are available as well as exponential and root functions \((n^{0.5})\).

Min-max-average
- 2 function blocks with 5 inputs each for minimum and maximum selection and average calculation (output signals: DC 0…10 V).
- The split function is subdivided into 5 inputs in two ranges (2 inputs and 3 inputs).

Enthalpy calculation
The following variable can be calculated from temperature and the relative humidity (both via inputs; output signals: DC 0…10 V):
- Enthalpy
- Absolute humidity
- Enthalpy difference
- Dew point temperature
- Wet bulb temperature

Signal inverter/signal doubler
- Splitting an input signal to two DC 0…10 V outputs and inverting output signals.
- Signal doubling for sequential control of pumps, valves and fans.

Heating/cooling demand
Collect, evaluate and forward heat and cooling demand from and via the KNX bus. Can also be configured:
- Modulating (DC 0…10 V) output (e.g. for demand-dependent setpoint adjustment for a refrigeration machine).
- Relay output (e.g. to switch-on switch-off a refrigeration machine).
- Demand-dependent setpoint shift acting on a primary controller.
- Adjustable setpoint increase for use with primary controller.

HC changeover
- If a 2-pipe system (heating/cooling) is used, you can switch heating/cooling via a digital or analog input, via an operating mode switch (auto, heating, cooling), by date or via the KNX bus.
- The heating/cooling signal can be sent to the KNX bus or issued via a relay.

Fault messages
Fault indication with red LED, acknowledgement with button. The following options are available:
- 20 universal inputs as fault signal inputs; fault messages from KNX bus are also configurable.
- 2 relay outputs as fault message relay.
- 1 digital input; for external reset of fault messages.
Control functions

**Universal controller**
3 universal controllers as PID sequence controllers with 2 sequence outputs each (1 heating sequence, 1 cooling sequence) per sequence controller.
- Control to an absolute variable or a differential variable.
- General limitation function (minimal/maximal) with PI mode per universal controller either as an absolute limitation or as relative temperature limitation.
- Individually adjustable heating and cooling setpoints (or high and low setpoints) for Comfort and Eco.
- Universal adjustment: The setpoint can be adjusted based on another variable or adapted to a remote setpoint transmitter.
- Setpoint changeover between operating modes Comfort and Eco using a digital input.
- Adjustable control timeout.

**Bus functions**

**Universal bus applications**
- Remote operation of KNX functions via a KNX network with RMZ792 bus operating unit.
- Remote operation/monitoring of plant and devices (in the KNX network) via Internet with Web server OZW77x…
- Indication of fault status messages delivered by other devices on the bus.
- Delivery of a common fault status message from all devices on the bus to a fault relay.
- Time synchronization.
- Passing on and adoption of outside temperature signal.
- Sending or receiving the yearly timeswitch schedule (holidays/special days) from some other controller.
- Receipt of weekly schedule from another controller.
- Sending or receiving the annual program for the holidays/special days from another controller.
- Receive and send a demand signal (hot water, chilled water) to the primary controller or the hot water/chilled water source.
- Receiving and evaluating refrigeration demand signals if configured as a primary controller or hot water/chilled water source.

**Universal transmission and reception zones**
Device RMS705B allows for universal data exchange via own terminals as well as via terminals of extension modules RMZ78x.
Data between devices is exchanged via KNX bus.
Universal inputs, digital and analog outputs of RMS705B can be used as transmission objects (for transmission zones).
Universal inputs of RMS705B can be used as reception objects (in reception zones).
- **Transmission zones:**
  - Universal inputs (N.X1…A8(2).X4)
  - Digital outputs (N.Q1…A8(2).Q5)
  - Analog outputs (N.Y1…A8(2).Y2).
- **Reception zones:**
  - Universal inputs (N.X1…A8(2).X4).
Examples for not allowed applications
The following applications or input/output values may **not** be implemented using universal transmission and reception zones:

- Safety-relevant plants and equipment (e.g. fire alarm off, smoke extraction, frost protection function).
- If request "Simultaneous start condition of plants" exists.
- Applications where communications failure of transmission or reception zones may cause damage.
- Time-critical control paths or control paths with greater degree of difficulty (e.g. speed control via pressure, humidity).
- Main controlled variables that must be available.
- Acquisition and evaluation of pulses.

Note
After RMS705B power-up, it may take some time until the bus signals are available. This may result in faulty plant behavior in the case of transmission and reception zone applications that are not allowed.

Service and operating functions
- Display of setpoint and actual values
- Outside temperature simulation
- Input terminal simulation
- Wiring test
- Data backup

Type summary

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<tr>
<th>Switching and monitoring device</th>
<th>Universal inputs</th>
<th>Positioning outputs</th>
<th>Switching outputs</th>
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<tr>
<td>RMS705B-1 S55370-C100</td>
<td>8</td>
<td>4</td>
<td>6</td>
</tr>
</tbody>
</table>

Selection of languages
The following languages are loaded:
English, German, French, Italian, Spanish, Portuguese, Dutch, Danish, Finnish, Norwegian, Swedish, Polish, Czech, Hungarian, Russian, Slovakian, Bulgarian, Greek, Romanian, Slovenian, Serbian, Croatian, Turkish, Chinese.

Note
Starting from software version 3.00, all languages are included in the same type.

Accessories

<table>
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<tr>
<th>Name</th>
<th>Type</th>
<th>Data sheet</th>
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<tr>
<td>Operator / service units</td>
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<tr>
<td>Plug-in type operator unit</td>
<td>RMZ790</td>
<td>N3111</td>
</tr>
<tr>
<td>Detached operator unit</td>
<td>RMZ791</td>
<td>N3112</td>
</tr>
<tr>
<td>Bus operator unit</td>
<td>RMZ792</td>
<td>N3113</td>
</tr>
<tr>
<td>Service tool</td>
<td>OCI700.1</td>
<td>N5655</td>
</tr>
<tr>
<td>Service terminal + service tool</td>
<td>OCI702 + ACS790</td>
<td>A6V10438951</td>
</tr>
<tr>
<td>Web server</td>
<td>OZW772...</td>
<td>N5701</td>
</tr>
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<table>
<thead>
<tr>
<th>Extension modules</th>
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<tbody>
<tr>
<td>Universal module with 8 universal inputs</td>
<td>RMZ785</td>
<td>N3146</td>
</tr>
<tr>
<td>Universal module with 4 universal inputs and 4 relay outputs</td>
<td>RMZ787</td>
<td>N3146</td>
</tr>
<tr>
<td>Universal module with 4 universal inputs, 2 relay outputs and 2 analog outputs (DC 0...10 V).</td>
<td>RMZ788</td>
<td>N3146</td>
</tr>
<tr>
<td>Module connector for detached extension modules</td>
<td>RMZ780</td>
<td>N3138</td>
</tr>
</tbody>
</table>
Ordering

When ordering, please specify the quantity, product name and type code for the device, e.g: Switching and monitoring device RMS705B-1. The devices and components listed under "Accessories" must be ordered as separate items.

Equipment combinations

Possible equipment combinations are available in HIT.

Product documentation

<table>
<thead>
<tr>
<th>Documentation type</th>
<th>Document no.</th>
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<tbody>
<tr>
<td>Product range description: Synco™ 700</td>
<td>CE1S3110en</td>
</tr>
<tr>
<td>Basic documentation, detailed description of all functions</td>
<td>CE1P3124en</td>
</tr>
<tr>
<td>Installation instructions RMB795B, RMS705B, RMU7..B</td>
<td>CE1G3151xx</td>
</tr>
<tr>
<td>Data sheet for KNX bus</td>
<td>CE1N3127en</td>
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<tr>
<td>Synco KNX S-mode data points</td>
<td>CE1Y3110en</td>
</tr>
<tr>
<td>Basic documentation Communication via KNX bus</td>
<td>CE1P3127en</td>
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</table>

Technical design

The device allows free configuration of application using the operating units RMZ790 or RMZ791. For operating actions of the functions, refer to the Basic Documentation CE1P3124en.

Mechanical design

The unit consists of a device insert and terminal base. The terminal base has two terminal levels as well as connection elements (electrical and mechanical) for one extension module. The device insert with ist printed circuit boards is attached to the terminal base. The device can be mounted on a top hat rail (EN 60 715-TH35-7.5), or directly on a wall. The controller is operated either with the plug-in type or detached operator unit (refer to "Accessories").

Operating, display and connecting elements
1 Connection facility for the service tool (RJ45 connector)
2 Removable cover with connection facility for the operator unit
3 LED "RUN" device operating status display, with the following meanings:
   LED lit: Supply voltage, no fault in application and periphery
   LED off: No supply voltage or application fault / periphery
4 Button "□" with LED (red) displays a fault status message and its acknowledgement;
   meanings as follows:
   LED blinking: Fault status message, ready to acknowledge
   LED lit: Fault status message pending, but not yet reset
   LED off: No fault status message
   Press button: Acknowledge fault or reset
5 Openings for plug-in type operator unit RMZ790
6 Programming button "Prog": Learning button to changeover between the normal mode and
   the addressing mode to assume the physical device address (requires tool to operate)
7 Programming LED "Prog" to display normal mode (LED off) or addressing mode (LED on) to
   assume physical device address
8 Catch for fitting the controller to a top hat rail
9 Fixing facility for a cable tie (cable strain relief)
10 Electrical and mechanical connection elements for extension module
11 Rest for the terminal cover
Notes

Engineering

- AC 24 V voltage required to power the device. It must meet requirements for SELV/PELV (safety extra low-voltage).
- The transformers used must be safety isolating transformers featuring double insulation to EN 60 742 or EN 61 558-2-6; they must be suited for 100 % duty
- Fuses, switches, wiring and earthing must be in compliance with local regulations
- Sensor wires should not be run parallel to mains carrying wires that power fans, actuators, pumps, etc.
- A maximum of 4 extension modules can be connected to the RMS705B (for combinations, see section "Functions").

Mounting and installation

- The device and extension modules are designed for:
  - Mounting in a standard cabinet as per DIN 43 880.
  - Wall mounting on an existing tophat rail (EN 50 022-35x7.5).
  - Wall mounting using two fixing screws.
  - Flush panel mounting.
- Not permitted in wet or damp spaces. The permissible environmental conditions must be observed.
- If the controller is not operated inside a control panel, use the detached operator unit RMZ791 in place of the plug-in type operator unit RMZ790.
- Disconnect the system from the power supply prior to mounting and installation the device.
- The device insert may not be removed from the terminal base!
- If extension modules are used, they must be attached to the right side of the device in the correct order in accordance with the internal configuration.
- The extension modules require no wiring between themselves or to the device. The electrical connections are made automatically when attaching the modules. If it is not possible to arrange the extension modules side by side, the first of the detached modules must be connected to the last previous module or to the device using the RMZ780 module connector. In that case, the cumulated cable length may not exceed 10 m.
- All connection terminals for protective extra low-voltage (sensors, data bus) are located in the upper half of the unit, those for mains voltage (actuators and pumps) at the bottom
- Each terminal (spring cage terminal) can only accommodate one solid wire or one stranded wire. Cables must be stripped to 7 to 8 mm to connect. To introduce the cables into the spring cage terminals and to remove them, a screw driver size 0 or 1 required. Cable strain relief can be provided with the help of the fixing facility for cable ties.
- The device mounted on a top hat rail together with modules can only be removed from the rail after the module directly attached to the device has been removed
- Installation instructions are packed with the device.
Commissioning

- Using the operator unit RMZ790 or RMZ791, or the service tool, staff trained by Siemens and having the required access rights can change the configuration and the parameters of the application programmed in the device online or offline at any time using the service tool.
- During the commissioning process, the application is deactivated and the outputs are in a defined off state. This means that no process and alarm signals will then be delivered to the bus.
- When leaving the commissioning pages, the peripheral devices connected to the universal inputs (including the extension modules) are automatically tested and identified. If a peripheral device is missing, a fault status message will be delivered.
- On completion of the configuration, the device automatically makes a new start.
- The operator unit can be removed and plugged in or connected while operating.
- If adaptations to specific plants are required, they must be recorded and the documentation kept inside the control panel.
- The device is maintenance free (no batteries, no fuses). Use only a dry towel to clean the housing.

Maintenance

The switching and monitoring device RMS705B is maintenance free (no batteries, no fuses). Use only a dry towel to clean the housing.

Repair

The switching and monitoring device RMS705B cannot be repaired on site.

Disposal

<table>
<thead>
<tr>
<th>The device is considered electrical and electronic equipment for disposal in terms of the applicable European Directive and may not be disposed of as domestic garbage.</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Disassemble the valve into individual parts prior to disposing of it and sort the individual parts by the various types of materials.</td>
</tr>
<tr>
<td>- Comply with all local and currently applicable laws and regulations.</td>
</tr>
</tbody>
</table>

Compliant with all local and currently applicable laws and regulations.
### Technical data

#### Power supply (G, G0)
- **Rated voltage**: AC 24 V ±20 % (SELV)
- **Requirements for external safety isolating transformer**: (100 % ED, maximum 320 VA) to AC 24 V ±20 % (SELV) EN 60 742 / EN 61 558-2-6
- **Frequency**: 50/60 Hz
- **Power consumption (excl. modules)**: 12 VA
- **External supply line protection**: fuse max. 10 A (slow release) or automatic circuit breaker max. 13 A tripping characteristic B, C, D according to EN 60898 or power supply with current limiting at 10 A

#### Functional data
- **Clock reserve**: 48 hours typical, min. 12 hours

#### Universal inputs
- **Number of universal inputs**
  - **Sensors**
    - Passive: LG-Ni1000, T1, Pt1000
    - Active: 2x LG-Ni1000 (averaging) 0...1000 ȍ, DC 0...10 V

#### Status inputs (X...)
- **Contact sensing**
  - **Voltage**: DC 15 V
  - **Current**: 5 mA
- **Requirements for status contacts**
  - **Signal coupling**: potential-free
  - **Type of contact**: maintained contact
  - **Insulating strength against mains potential**: AC 3750 V to EN 60 730
- **Requirements for pulse contacts**
  - **Signal coupling**: screened cables recommended potential-free
  - **Type of contact**: pulse contact
  - **Mechanical transmitter (reed contact)**
    - Maximum pulse frequency: 25 Hz
    - Minimum pulse length: 20 ms (with max. 10 ms bounce length)
  - **Electronic transmitter**
    - Maximum pulse frequency: 100 Hz
    - Minimum pulse length: 5 ms
  - **Insulating strength against mains potential**: AC 3750 V to EN 60 730

#### Outputs
- **Number of positioning and switching outputs**: refer to "Type summary"
- **Positioning outputs Y...**
- **Switching outputs**
  - **AC 230 V (Q1x...Q7x)**
    - **Non-renewable fuse (slow)**: max. 10 A
    - **Automatic line cutout**: max. 13 A
    - **Release characteristic**: B, C, D to EN 60 898
    - **Relay contacts**
      - **Switching voltage**: Max. AC 250 V
      - **AC current**
        - At 250 V: max. 4 A res., 3 A ind. (cos ϕ = 0.6)
        - At 19 V: min. 5 mA
      - **Switch-on current**: max. 10 A (1 s)
    - **Contact life at AC 250 V**
      - At 0.1 A res.: 2 x 10⁶ cycles
      - At 0.5 A res.: 4 x 10⁵ cycles (N. O.)
      - At 4 A res.: 2 x 10⁶ cycles (changeover)
      - 3 x 10⁵ cycles (N.O.), 1 x 10¹ cycles (changeover)
      - **Red. factor at ind. (cos ϕ = 0.6)**: 0.85
Insulating strength
- between relay contacts and system electronics (reinforced insulation) AC 3750 V, to EN 60 730-1
- between neighboring relay contacts (operational insulation) AC 1250 V, to EN 60 730-1
- between relay groups (reinforced insulation) AC 3750 V, to EN 60 730-1

Power supply ext. devices (G1)

| Voltage | AC 24 V |
| Power   | Max. 4 A |

Interfaces

| Type of interface | KNX-TP1 |
| Bus loading number | 2.5 |
| Bus power supply (decentral, can be switched off) | 25 mA |
| Power failure of short duration | to EN 50 090-2-2 |

Permissible cable lengths

- For passive measuring and positioning signals (measuring errors can be corrected on the "Settings / Inputs" menu)
  - Type of signal
    - LG-Ni 1000, T1
    - Pt 1000
    - 0...1000 Ω
  - Contact sensing (status and impulse contacts).
  - For DC 0...10 V measuring and control signals refer to Data Sheet of the signal delivering device
  - For KNX bus max. 700 m
  - Type of cable 2-core without screening, twisted pairs
  - For switching outputs (Q1x...Q7x) Max. 300 m

Electrical connection

- Connection terminals Spring cage terminals
- For wires Ø 0.6 mm ... 2.5 mm2
- For stranded wires without ferrules 0.25 ... 2.5 mm2
- For stranded wires with ferrules 0.25 ... 1.5 mm2
- KNX bus connection Non-interchangeable

Degree of protection

- Degree of protection of housing to IEC 60 529 IP 20 (when mounted)
- Safety class to EN 60 730 device suited for use with equipment of safety class II

Ambient conditions

- Operation to IEC 60 721-3-3
  - Climatic conditions Class 3K5
  - Temperature (housing and electronics) 0...50 °C
  - Humidity 5...95 % r. h. (non-condensing)
  - Mechanical conditions Class 3M2.
- Transport to IEC 60 721-3-2
  - Climatic conditions Class 2K3
  - Temperature −25...+70 °C
  - Humidity <95 % r. h.
  - Mechanical conditions Class 2M2

Classifications to EN 60 730

- Mode of operation, automatic controls Type 1B
- Degree of contamination, controls’ environment 2
- Software class A
- Rated surge voltage 4000 V
- Temperature for ball-pressure test of housing 125 °C

Materials and colors

- Terminal base Polycarbonate, RAL 7035 (light-gray)
- Controller insert Polycarbonate, RAL 7035 (light-gray)
- Packaging Corrugated cardboard
## Standards, directives and approvals

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<th>Standards, directives and approvals</th>
<th>Details</th>
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<tr>
<td>Product standard</td>
<td>EN 60730-1. Automatic electronic controls for household and similar use.</td>
</tr>
<tr>
<td>Product family standard</td>
<td>EN 50491-x. General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS).</td>
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<tr>
<td>EU conformity (CE)</td>
<td>CE1T3110xx</td>
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<tr>
<td>RCM conformity</td>
<td>CE1T3110en_C1</td>
</tr>
<tr>
<td>EAC conformity</td>
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</tr>
<tr>
<td>Environmental compatibility</td>
<td>CE1E3110de01*)</td>
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</table>

*)These documents can be downloaded at the following Internet address:
http://siemens.com/bt/download

### Dimensions (weight)

| Excl. packaging | 0.49 kg |

### Connection diagrams

#### Connection diagram

**Key**

- **G, G0**: Rated voltage AC 24 V
- **G1**: Output voltage AC 24 V to power external, active devices
- **M**: Measuring neutral for signal input
- **G0**: System neutral for signal output
- **X1...X8**: Universal signal inputs for LG-Ni1000, 2x LG-Ni1000 (mean values), T1, Pt1000, 0…1000 Ω, DC 0…10 V, pulse, contact query (potential-free)
- **Y1...Y4**: Control or status outputs, analog DC 0…10 V
- **Q1x/Q4x**: Potential-free relay outputs (changeover contact) for AC 24...230 V
- **Q2x/3x/6x/7x**: Potential-free relay outputs (N.O. contact) for AC 24...230 V
- **CE+**: KNX bus data line, positive
- **CE−**: KNX bus data line, negative

#### Notes

Each terminal (spring cage terminal) can only accommodate one solid wire or one stranded wire. Double terminals are internally interconnected.
Connection diagrams

Examples:

Connection diagram 1:
Measuring section with passive sensor

Connection diagram 2:
Measuring section with active sensor and active signal source

Connection diagram 3:
Measuring section with pulse transmitter

Connection diagram 4:
Multiple use of sensor (B1, N2), external operating mode changeover (S6)

Connection diagram 5:
2-speed motor control (fan)

Recommendation:
Use shielded wires

Legend to the connection diagrams 1 through 5
N1  RMS705B
N2  Universal controller RLU210
B1  Duct temperature sensor QAM21.20...
B3  Duct temperature sensor QAM2161.040
R1  Reed pulse source
R2  Setpoint adjuster BSG61
S6  HC operating mode changeover, manual
M1  2-speed fan

Note
See basic documentation CE1P3124en for required, internal configuration of the Switching and Monitoring Device RMS705B.
Dimensions

Dimensions in mm