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| --- | --- |
|  | Control of radiator heating systemsRoom thermostat RDD310/EH* Control of radiator heating system
* Room temperature limitation with built-in sensor

RDE410/EH variant * With Auto Timer
 |
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| Plant diagram |  |
| 1421S02.wmf |
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| Function diagrams |  |  |  |
|  |  |  |
|  |  | T: Room temperatureSDH Switching differential heatingW: Room temperature setpointY1: Output signal for heatingThe thermostat acquires the room temperature with its built-in sensor and maintains the setpoint by delivering control commands. The switching differential is 1 K. |

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| Description of functions | Basic functions |  |
| * Floor temperature limitation with built in temperature sensor
* Operating voltage AC 230 V
* 2-position control with On/Off control output
 |  |

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| --- | --- | --- | --- |
|  | Auxiliary functions |  | Variants |
| * Operating modes: Comfort, Economy and Frost Protection
* Minimum and maximum limitation of setpoint setting range
* Backlit white LCD
* Protection class IP31, suitable for installation in wet rooms
 |  | * With RDE410/EH:Auto Timer: 8 programmable 7-day time switches to switch between Comfort and Economy mode
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| Device list | <START StandardDeviceList>

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| **Legend**  | **Type of unit**  | **Data sheet**  | **Product No.**  | **Qty.**  |
| N1  | Semi flush-mount room thermostats | N1440  | RDD310/EH  | 1  |
| Y1 | 2-port, 3-port or 3-port valve with T-bypass |  | V..I46 / V..P46 / V..P47 | 1 |
|  | Actuator for small valves, 2-position, AC 230 V |  | S..21.. | 1 |

<END StandardDeviceList> |
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| Variants | <START VariantsDeviceList>

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| --- | --- | --- | --- | --- |
| **Legend**  | **Type of unit**  | **Data sheet**  | **Product No.**  | Qty.  |
| N1a | Semi flush-mount room thermostats with auto timer | N1440  | RDE410/EH | 1  |

<END VariantsDeviceList> |
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| Connectiondiagram | Y:\D02_Graphics_and_Pictures\Thermostats\REVxx\REVxxxx_1421\1421A01a.wmf |

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| --- | --- | --- | --- | --- | --- |
|  | L | Live conductor AC 230 V |  | M | Measuring neutral for external sensor |
| N | Neutral conductor |  | B1 | External temperature or floor sensor |
| Y1, N1 | Control output for "Radiator heating system", AC 230 V, Max. 16 A |  | E1 | Heating equipment (e.g. Radiator heating system) |
|  |  |  | E2 | Alternative equipment of E1(e.g. a valve) |
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| Parameter-settings | Parameter |  |  |  |
| The parameter settings are as shown in the thermostats RDD310/EH, RDE410/EH data sheet.See there for further information. |
|  |  |

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