# EY-RU382F001: Room unit ecoUnit382

## Areas of application

The room operating unit measures the room temperature and, depending on the parameterization, allows the room's functions to be changed manually (temperature, room air quality or room pressure etc.). It is used only in conjunction with room controllers.

## Performance featrues

* Temperature sensor: NTC10k Typ 2
* Set point range to be parameterized freely
* Push-buttons for set points: +/- (▲/▼)
* Push-button for operating/ (◀) OFF/ON,

occupancy mode: (◀) Comfort/reduced

The mode functions can be freely parameterized.

* Push-button for 3-speed fan: AUTO-0-I-II-III (▶)
* LCD display: Blue, backlight
* Three value display free to parameter: 1x large, 7-segments

 1x small, 7-segments

 1x bar graphic (10% steps)

* Two display modes: Standard, Loop
* Display of alarms
* Display of active outputs
* LCD to display of: Operating / occupancy mode

 Fan speed

 Room and setpoint temperature in °C or °F

 Humidity in %rH (%)

 Room pressure in pa (p)

* Displays values with units
* Available symbols and texts: Presence / absence

 OFF (Energy-Hold-Off)

 ALA\* (Alarms)

 FSP\* (Fan speed)

 Fan active

 Heating / cooling

* Unit to parameterize of room controller, access with login code for:

 User parameters

 Configuration parameters for controller

 Communication parameters

* Unit to store and distribute the application parameter set with a plug-in memory

## Technical data

Power Supply

|  |  |
| --- | --- |
| Power supply | From room controller (10…30 V=, 10…26 V~) |
| Power consumption | Max. 0,5 VA |

Type and version

|  |  |
| --- | --- |
| Room temperature sensor | NTC 10kOhm, Type 2 |
| Temperature measurement range | 0…50 °C |
| Accuracy | 0,2 K |
| Connector to room controller | screw terminal, 4-pole (RS-485, +V/GND) |
| Number of push-buttons | 4x |
| Push-button functions | For operating, parameterizations and monitoring |
| LCD display | Large, backlight2x real values1x bar graphic (0…100%) |
| Push-button for fan | Circular key (Auto-0-I-II-III) for fan control |
| Two Push-buttons | Setpoint adjustment |
| Push-button for modes | ON/OFF, Presence/Absence |
| Operation feedback of functions | Defined symbols on LCD (heating, cooling, manual, fan, time program…) |

Admissible ambient conditions

|  |  |
| --- | --- |
| Operating temperature | 0...50 °C |
| Humidity | <95% rF (no condensation) |

Mechanical structure / Installation

|  |  |
| --- | --- |
| Room operating unit | Complete, with LCD and 4 push-buttons |
| Installation type | Semi-flush, mounting plate for 55 x 55 mm2 |
| Dimensions, W x H x D (mm) | 88 x 88 x 30 |
| Housing colour | White (RAL 9003) |

Standards and directives

|  |  |
| --- | --- |
| Ingress protection | IP 30 (EN 60529) |
| Protection class | III (EN 60730-1) |
| Environment class | 3K5 (IEC 60721) |
| CE conformity | EN 61000-6-1, EN 61000-6-3 (Type 1) |

**Manufacturer:** SAUTER

**Type:** EY-RU382F001