

# LOCUS

Room unit for waterborne climate systems



## QUICK FACTS

- The room unit is a setpoint selector switch with integrated temperature sensor
- The unit is equipped with a capacitive, digital, full-colour screen with selectable display options
- The unit can be used as a configuration tool during commissioning, in which case it becomes a portable unit that can quickly be connected to the climate product with a cable
- The unit can be mounted on a wall, flush mounted in a standard electrical box
- Power supply via RJ12 cable to controller
- Available in two different colours

# Technical description

## Version

The room unit is a setpoint selector switch with built-in temperature sensor, designed for Swegon's products with a URC1 controller. It has a digital, colour touch-display, where on the first page you regulate the indoor climate by increasing or decreasing the setpoint temperature. On the next page, you can see air flows, pressure, VOC, CO<sub>2</sub> and alarms.

The display presents the current operation mode in the room (heating/cooling). There is also a menu list in the top left corner where, when inputting a code, you can access more functions/parameters.

The room unit consist of a mounting attachment, frame, display and card reader, and is connected to the controller with the help of an RJ12 cable.

## Placement

The unit is mounted on a wall, flush mounted in a standard electrical box. Avoid placing the unit in direct sunlight.

## Material and surface treatment

The product is made of ABS plastic.

## Colour

The frame is available in two selectable colours, white and black.

## Function

LOCUS can be used as a temperature sensor and setpoint selector switch for the controller. It can also be used as a configuration tool during commissioning.

## Mounting

The unit is flush mounted in a standard electrical box.

## Maintenance

If necessary, use a dry cloth when cleaning. Never use water, detergent, cleaning solvent or a vacuum cleaner.

## Environment

The Building Material Declaration is available for downloading at [www.swegon.com](http://www.swegon.com).



Figure 1. LOCUS.



Figure 2. URC1 controller.

# Technical data

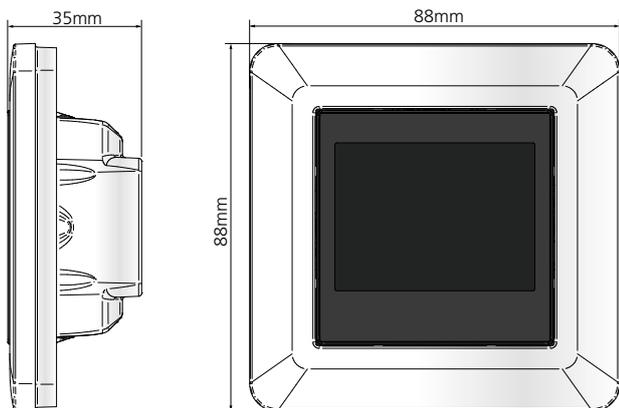


Figure 3. Dimensional drawing - LOCUS.

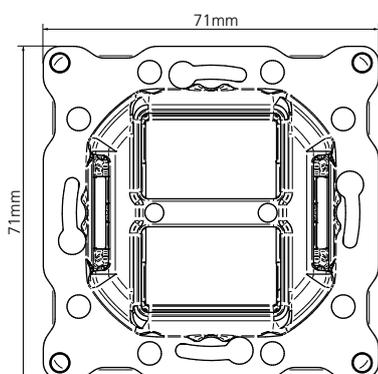


Figure 4. Dimensional drawing, mounting attachment.

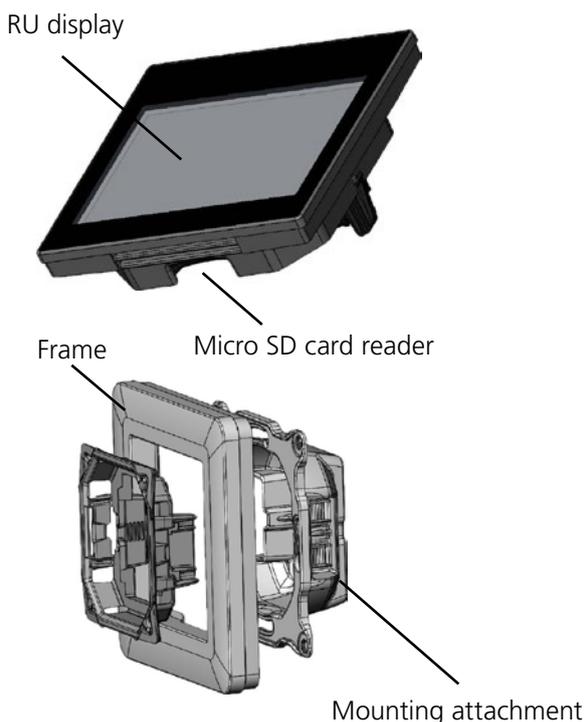


Figure 5. Component parts.

## Technical data

Display	Capacitive touch TFT Display QVGA 2.3"
Screen resolution	320x240
Communication	Modbus RTU via RS-485
Temperature sensor	Internal 10K NTC sensor
Operating temperature	+5 ... +40°C
Degree of protection	IP20
Dimensions	88 x 88 x 35 mm
Operating voltage	12-40 VDC
Current requirement	0.5 W

## Connection

LOCUS	Connection	Description
VDD	RJ12	12-40 VDC power supply
A+	RJ12	RS-485 bus connection
B-	RJ12	RS-485 bus connection
GND	RJ12	Earth for 12-40 VDC power supply
NTC	RJ12	
Memory card slot		The user panel's software can be updated via a Micro SD card

## Approval

EC Directive:	93/68/EEC
Low Voltage Directive:	2014/35/EU
Machinery Directive:	2006/42/EEC
EMC Directive:	2014/30/EU
RoHS Directive:	2002/95/EC
Vibrations:	EN-60721-3-3

# Specification

## Product

Room unit	LOCUS	a-	b
Version:			
Colour:			
W = White			
B = Black			

## Accessories

Cable	RJ	12
For connection to controller		

# Specification text

Example of a specification text according to VVS AMA.  
Swegon's room unit for air and waterborne climate systems.

### LOCUS room unit with the following functions:

- Setpoint selector switch with integrated temperature sensor.
- Designed for products with URC1 controller
- Equipped with a capacitive, digital, full-colour screen with selectable display options
- The room unit is connected to the controller via an RJ12 connection

## Ordering examples

- Room unit/Setpoint selector switch LOCUSa-W XX items

### Accessories

- Cable RJ12 XX items

## Documentation

The following documentation can be downloaded from our website [www.swegon.com](http://www.swegon.com).

LOCUS Instructions for Use