

SControl

Multifunctional regulator for SolarVenti air solar collectors

Control is good - SControl is better!

With the new regulator unit Scontrol you can choose when and how to vent. Whether it is about control of supplied air temperature, surveying room temperature, moisture control of the inlet and outlet air or safety stop around dew point—you simply adjust the automatic operation to your preferences.

Additionally a precise control and operation of the SolarVenti installation is very simple: Due to the programmable timers and interval controls you keep the full control over the house ventilation at any time. Even in the summer an effective cooling of the rooms is possible.

SControl is hybrid applicable

Use the built-in solar panel of the SolarVenti to regulate autonomus operation or connect an external 12 Volt supply to the regulator.

The Scontrol regulator has two separate inputs for power supply and automatically switches to hybrid operation with solar heating as priority when both power supplies are connected.

It is possible to operate solely on power from an external power supply and due to SolarVenti's effective DC-ventilator this option is very energy efficient.

Highlight functions

- Start temperature for solar collectors
- Room temperature control
- Humidity conditioned venting
- Dew point stop
- Timer- and interval operation
- Ventilator stop at sub-zero temperatures

Highlights technics

- Ventilator outlet with fan speed control
- Extra relay outlet
- 2x temperature sensors (collector and room)
- 2x combi sensors - humidity + temperature
- Integrated temperature- and humidity sensor
- 24 Watt performance = max. 6 ventilators



SControl Multifunctional regulator

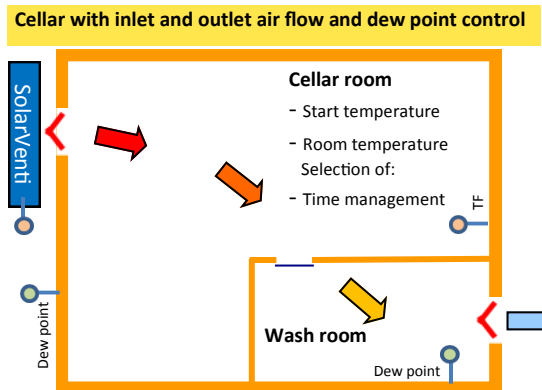
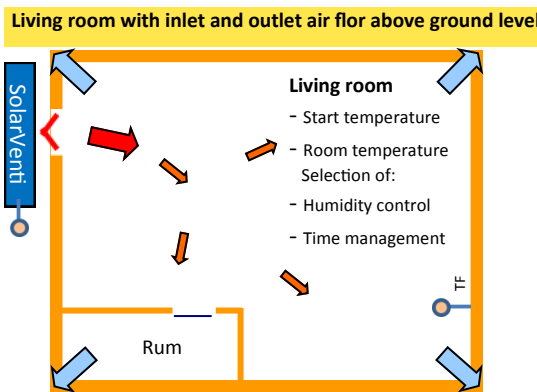
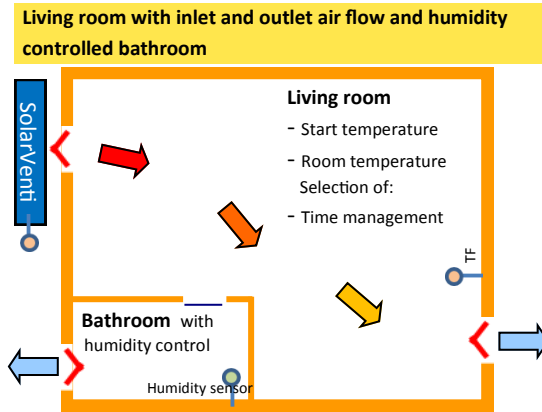
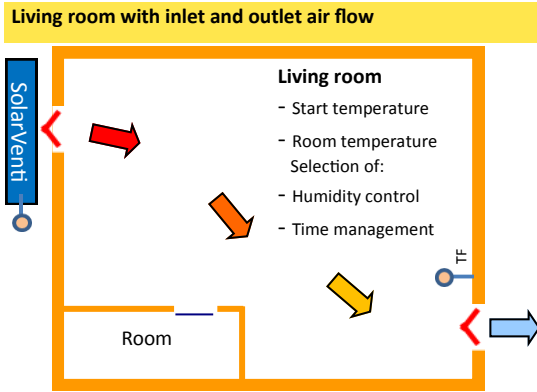
Ideal for uses such as:

- Venting living rooms
- Cellar venting and dehumidification
- Combined room/bathroom venting
- Garage venting and dehumidification
- ... and everywhere specifics on temperature, humidity, dew point or time presets for venting with SolarVenti solar collectors are desired.

Highlights operation

- Intuitive operation with knobs and buttons
 - Stepless ventilator regulation
 - Pause function
 - Simple menu interface
- Expert-Menu for system optimization

Application examples



Available accessories

Power supply with 12 Volt DC, 2A connector / Solar collector sensor PT1000 with 2m silicone cable / room temperature sensor PT1000 with cabinet / combi sensor for humidity-temperature / dew point with RJ10 cable 1,5m / extension cable RJ10 for combi sensor / weather protection cap for combi sensor / Interface USB cable RJ10 for firmware-updates

TECHNICAL DATA

Cabinet / dimensions	Greywhite synthetic material / 155 x 155 x 37 mm (W x L x H)
Protection / Installation	IP20 / 0° to + 40°, max. 80% rel. Humidity
Display	5-digit, greywhite, backlight
Functions	<ul style="list-style-type: none"> • Main switch - On / Off • Ventilator fan control • Start temperature (solar collector) • Temperature-difference manager • Max. room temperature • Thermostat function • Timerfunction^{1,2} • Interval operation¹ • Pause function • Start configurations (configuration of fan speed) • Humidity control • Dew point stop • My configuration (storing personal configurations) • Expert menu (parameters for professionals) • Sub-zero protection on inlet air supply • Safety shutdown at excessive high solar collector temperature • Battery powered watch • Error display
Inlets	2x temperature sensors PT1000 (solar collector and room)
Sensor inlets	2x combi sensor (temperature-/humidity/dew point) with RJ10-connector
Voltage - solar panel	Max. 50 Watt / System voltage 12Volt (7,5...24Volt) DC (clamp—solar panel)
Voltage - external	Power supply 12Volt DC/ 230Volt AC, 24 Watt/2A (clamp - DC- IN)
Outlets	2x in parallel operation (vent 1, vent 2), max. 24 Watt / 6-14Volt
Ventilators - variable speed	Non-potential switch, max. 24Volt DC/2A
Relay switch	12 Volt DC/2A (max. 24 Watt without ventilation performance of vent 1 + vent 2)
DC- OUT (extra DC-outlet)	
Additional	
Start voltage for ventilator performance	Approx. 7,5 Volt
Hybrid performance	Parallel performance with solar panel and external 12 V power supply or with only 12 V supply
PC-Interface	Integrated interface RJ10 with USB for „Firmware upload“
Guarantee	2 year product guarantee (producer guarantee)
Producer	SolarVenti A/S Denmark

¹ at supply- or hybrid performance ² suitable for cooling at night