



S+S REGELTECHNIK



HYGRASREG®

RELIABLE PROTECTION
AGAINST HUMIDITY

- > Mechanical
- > Electronic
- > Guards



PRODUCT RANGE 2017

FÜHLBARE PRÄZISION

HYGRASREG® MECHANICAL

For use in dust-free,
non-polluted and
non-aggressive air



HYGRASREG® RH-2
with external control dial

67,32 €



HYGRASREG® RHT
with external control dials

140,13 €



HYGRASREG® KH-10
with external control dial

177,17 €

The mechanical and electronic hygrostats from S+S are designed for control and/or monitoring of relative humidity in residential, office, IT and manufacturing environments, in laboratories, indoor swimming pools and greenhouses as well as in climate and control cabinets, ventilation and air conditioning ducts, humidifying and dehumidifying systems.

As a two-position microswitch or room hygrostat including temperature controller, respectively, **HYGRASREG® RH-2** and **RHT** are equipped with a humidity measuring element made of plastic fibers.

In addition, the **HYGRASREG® RHT** room controller has bi-metal temperature sensor.

The **HYGRASREG® RH-2** room and the **HYGRASREG® KH-10** duct devices can also be used as minimum guards or maximum hygrostats.

HYGRASREG® MECHANICAL

Type / WG01	Setting Range	Features	Setting	Item No.	Price
RH-2				IP 30	
RH-2	25...95 % r. H.	1x Change-over contact	external	1202-40C0-0010-000	67,32 €
RH-2 U	25...95 % r. H.	1x Change-over contact	internal	1202-40C0-0020-000	69,36 €
RHT				IP 30	
RHT-1	35...100 % r. H., +10...+35 °C	Main switch	external	1202-4010-0000-000	140,13 €
KH-10				IP 65	
KH-10	35...100 % r. H.	–	external	1202-3012-0010-000	177,17 €
KH-10 U	35...100 % r. H.	Setpoint adjuster covered	internal	1202-3012-0020-000	179,31 €

NEW

HYGRASREG® ELECTRONIC



HYGRASREG® AHT-30
with display and plastic sinter filter

198,90 €

HYGRASREG® AH-40
with display and plastic sinter filter

153,00 €

HYGRASREG® KHT-30
with display and plastic sinter filter

198,90 €

HYGRASREG® KH-40
with display and plastic sinter filter

154,02 €

HYGRASREG® RHT-30
with display and external setting

220,12 €

Our new **HYGRASREG® AHT-30 / KHT-30 / RHT-30** electronic on-wall, duct and room hydro-thermostats provide two continuous and two switched outputs for up to four different operating modes with adjustable switching thresholds. The spacious multi-line display in **Tyr2** housing alternates between actual humidity and temperature every 3 seconds. A durable, digital humidity sensor with integrated temperature sensor ensures a measuring accuracy of $\pm 3\%$ and $\pm 0.2\text{K}$.

All devices – including the **HYGRASREG® AH-40 / KH-40** single-step hygrostats in compact **Tyr1** housing – feature our innovative slotted/cross head bolting system with integrated arrest and spring geometry for spray water protection (IP65).

Standard delivery includes a plastic sinter filter.

Optionally, the devices can also be supplied or retrofitted with a metal sinter filter.



HYGRASREG® ELECTRONIC							
Type / WG02 (WG01)	Setting Range	Features	Output	Setting	Display	Item No.	Price
AHT-30						IP 65	
AHT-30W-I TYR2	5...95 % r. H., -35...+80 °C	2x Change-over contact	2x 4...20 mA	internal	■	1202-7127-2421-000	198,90 €
AHT-30W-U TYR2	5...95 % r. H., -35...+80 °C	2x Change-over contact	2x 0-10 V	internal	■	1202-7127-1421-000	198,90 €
AH-40 (WG01)						IP 65	
AH-40W TYR-1	5...95 % r. H.	1x Change-over contact	–	internal	■	1202-1065-0221-000	153,00 €
KHT-30						IP 65	
KHT-30W-I TYR2	5...95 % r. H., -35...+80 °C	2x Change-over contact	2x 4...20 mA	internal	■	1202-8127-2421-000	198,90 €
KHT-30W-U TYR2	5...95 % r. H., -35...+80 °C	2x Change-over contact	2x 0-10 V	internal	■	1202-8127-1421-000	198,90 €
KH-40 (WG01)						IP 65	
KH-40W TYR-1	5...95 % r. H.	1x Change-over contact	–	internal	■	1202-3065-0221-000	154,02 €
RHT-30						IP 30	
RHT-30W U	5...95 % r. H., +5...+45 °C	2x Change-over contact	1x 0-10 V	internal		1202-4077-1021-200	153,55 €
RHT-30W	5...95 % r. H., +5...+45 °C	2x Change-over contact	1x 0-10 V	external		1202-4077-1011-200	155,80 €
RHT-30W DISPLAY	5...95 % r. H., +5...+45 °C	2x Change-over contact	1x 0-10 V	external	■	1202-4077-1211-200	220,12 €

HYGRASREG® & HYGRASGARD® GUARDS

NEW

For use in dust-free,
non-polluted and
non-aggressive air



HYGRASREG® KW-SD
with strap and
snap-on lid (IP43)

89,07 €



HYGRASREG® KW-W
with strap, display and
transparent cover (IP65)

95,24 €



HYGRASREG® TW-W
with strap, display and
transparent cover (IP65)

149,13 €

HYGRASREG® LS-2
with 2 electrodes and
clear-cover (IP65)

102,11 €

HYGRASREG® LS-4
with 4 electrodes and
clear-cover (IP65)

120,36 €



HYGRASGARD® TW-Modbus-extern
with Y-adaptor
standard (IP65)

170,65 €

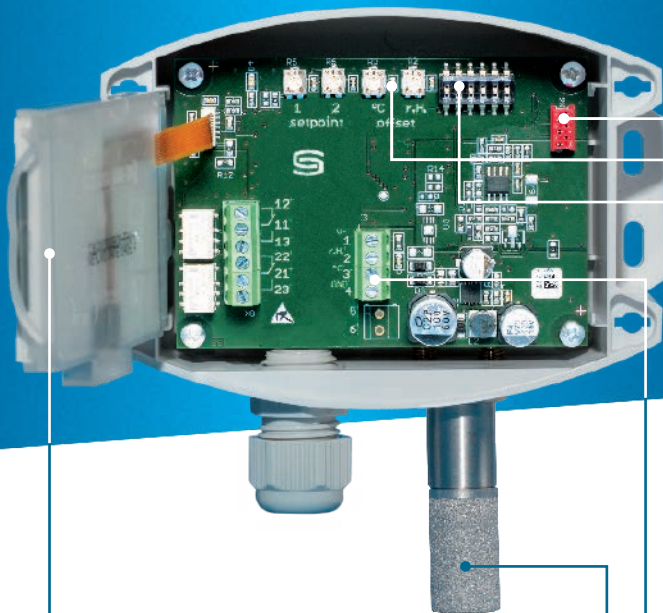


HYGRASREG® KW condensation and **HYGRASREG® TW** dew point guards are mounted on chilled ceilings, chilled/cold water pipes or cooled surfaces. A durable, digital humidity sensor with integrated temperature sensor detects condensation or dew formation by means of pro-dynamic cross-convection (no conductivity measuring, S+S patent). **HYGRASREG® LS** leakage or water ingress detectors are available with 2 or (upright connecting) 4 electrodes. The clear-cover housing versions provide a visual control of the LED indicators inside the guard.

The new **HYGRASGARD® TW-Modbus** device is designed for use in an overall monitoring and control system and features our galvanic isolation of bus cable and housing by means of its patented "Y" adaptor.

HYGRASREG® & HYGRASGARD® GUARDS						
Type / WG01	Measuring Range	Features	Sensor	Display	Item No.	Price
KW - SD					IP 43 (snap-on lid)	
KW-W-SD	ca. 93 % r. H.	Change-over contact	internal		1202-1075-0001-020	89,07 €
KW-W-SD EXTERN	ca. 93 % r. H.	Change-over contact	external		1202-1075-0001-040	97,52 €
KW					IP 65 (transparent cover)	
KW-W	ca. 93 % r. H.	Change-over contact	internal		1202-1025-0001-020	95,24 €
KW-W EXTERN	ca. 93 % r. H.	Change-over contact	external		1202-1025-0001-040	115,68 €
TW					IP 65 (transparent cover)	
TW-W	75...100 % r. H.	Change-over contact	internal		1202-1015-0001-000	107,10 €
TW-W DISPLAY	75...100 % r. H.	Change-over contact	internal	■	1202-1015-1201-020	149,13 €
TW-U	0...100 % r. H.	0 -10 V	-	internal	1201-1011-1001-020	111,18 €
TW-U/W	0...100 % r. H.	0 -10 V + Change-over contact	internal		1202-1012-1001-020	127,50 €
TW-U/W DISPLAY	0...100 % r. H.	0 -10 V + Change-over contact	internal	■	1202-1012-1201-020	169,53 €
TW-W EXTERN	75...100 % r. H.	Change-over contact	external		1202-1015-0021-030	137,70 €
TW-W EXTERN DISPLAY	0...100 % r. H.	0 -10 V + Change-over contact	external	■	1202-1015-0221-030	179,72 €
TW - Modbus					IP 65 (standard)	
TW-MODBUS	0...100 % r. H., -35...+80 °C	RS485	internal		1201-1211-3001-020	155,96 €
TW-MODBUS DISPLAY	0...100 % r. H., -35...+80 °C	RS485	internal	■	1201-1211-3201-020	198,90 €
TW-MODBUS EXTERN	0...100 % r. H., -35...+80 °C	RS485	external		1201-1211-3001-030	170,65 €
TW-MODBUS EXTERN DISPLAY	0...100 % r. H., -35...+80 °C	RS485	external	■	1201-1211-3201-030	201,96 €
LS					IP 65 (transparent cover)	
LS-2 (2 electrodes)	Conductance > switching threshold	Change-over contact	internal		1202-1042-0000-000	102,11 €
LS-4 (4 electrodes)	Conductance > switching threshold	Change-over contact	internal		1202-1042-0000-100	120,36 €

OPTIMUM ACCESS TO ALL ELECTRONICS

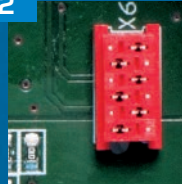


1 Extra-Large Display (70 x 40 mm)

With backlighting as well as display of range violation, sensor breakage, sensor short circuit and physical units



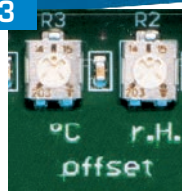
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Quality Assurance

Calibration and balancing are done by means of the bus system in climate cabinets

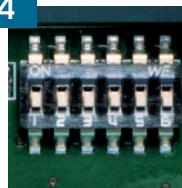
3



Offset Potentiometer

For fine adjustment (zero point offset) and readjustment upon recalibration

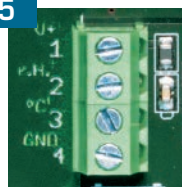
4



DIP Switches

For multi-range toggling as well as setting of measuring ranges, response times, damping times, units and configuration levels

5



Screw Terminals

Active output signals 0 - 10 V, 4...20 mA or switched output

6



Digital Humidity & Temperature Probe

Highly precise, longterm stable and temperature compensated



S+S REGELTECHNIK

- > 55 employees
- > 500 m² of office / administration space
- > 4000 m² of manufacturing space
- > 800 m² finished parts warehouse
- > In-house tooling and test equipment design
- > 24-hours shipment service
- > Made-to-order production

A PASSION FOR INNOVATION

S+S Regeltechnik defines itself as a flexible and innovative partner for your requirements, from the single device to networked facility automation. To us, innovation means to lead the market both in technology and in quality. This is how we back up your investment in products that express our passion for reliability and precision.

BROAD PORTFOLIO

Our sensors, thermostats, transducers, hygrometers, guards, detectors and room climate controllers for facility engineering are designed to be multifunctional. This reduces the diversity of types and expands their application potential. Thanks to microprocessor technology, almost any measuring range can be represented, including custom specifications.

SUPERIOR QUALITY & CERTIFIED SAFETY

All devices are function tested as well as calibrated in-house prior to shipment and meet strict safety, quality and sustainability standards.

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Our development and production in Nuremberg, Germany, is certified by the Technical Inspection Authority (TÜV) in Thuringia to DIN EN ISO 9001:2008.



DIN tested and certified



RoHS tested and certified



ESD compliant manufacturing



EAC certified



GOST certificates for export of all S+S products to CIS member states



CE compliant devices tested by external laboratories



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