



Condensation control switch
with switching output

S+S REGELTECHNIK

APPLICATION:

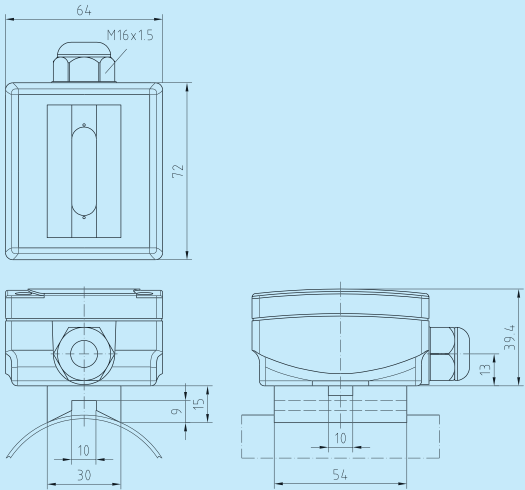
The condensation control switch is installed on cooling or coldwater piping or on cooled surfaces to detect generation of dew. Monitoring cooling ceilings or pipes, it can be operated so that the switching output is activated when dew is generating on cooling ceilings or the object to be monitored, thus starting a heating system or other actuators.

TECHNICAL DATA:

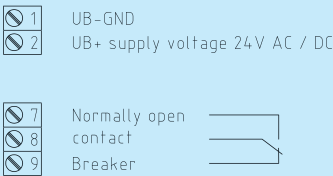
- Power supply:..... 24V AC/DC
- Monitoring range:..... ca. 95 % r.H.
- Switching threshold: ca. 95 % r.H.,
variation of ca. $\pm 5\%$ r.H.
possible by potentiometer
- Internal current consumption:.... max. 20mA
- Output signal:..... potential-free changeover contact (24V)
- Process connection:..... endless metal strap with metal tightener,
length = 300mm for pipes up to 3" diameter
(included in the scope of delivery)
- Electrical connection: 0.14-1.5 mm² via terminal screws
- Enclosure:..... plastic, material polyamide,
30% glass-globe-reinforced,
with quick-locking screws,
colour pure white [similar RAL9010]
- Dimensions:..... 72x64x39.4mm
- Cable union:..... M16, including strain relief
- Protection class: III (according to EN 60730)
- Protection type:..... IP 65 (according to EN 60529)
- Standards:..... CE conformity,
electromagnetic compatibility
according to EN 61326 + A1 + A2,
EMC directive 89/336/EWG



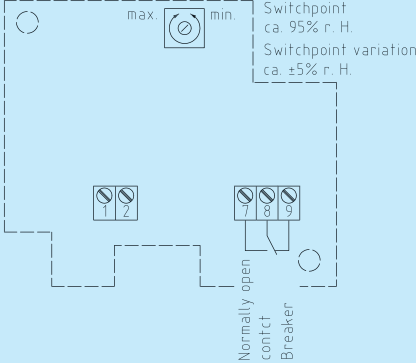
Dimensional drawing



Connecting diagram



Circuit diagram



HYGRASREG® KW including strap:

Type/WG1	Switching threshold Humidity (relative)	Output Humidity (relative)	For mounting
KW-W-Pipe	ca. 95 % r.H.	changeover contact	On pipes
KW-W-Wall	ca. 95 % r.H.	changeover contact	On walls