Hygrostats / hygrothermostats with mechanically operated sensors

For surface installation – Design Berlin 2000 / 3000 / UP

Technical data Hygrostat (for thermostat see at RKDSB):

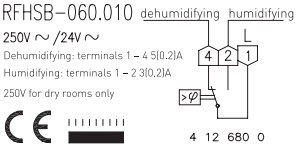
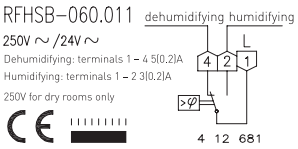
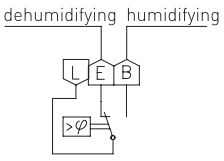
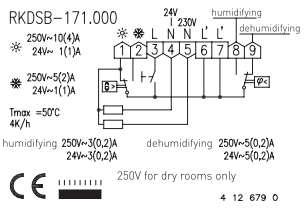
Switching voltage:	24 … 250 V~; > 24 V , in VDE 0110 compliant rooms only
Sensor:	synthetic fibres
Switching capacity:	at 250 V~ und 24 V~
Entfeuchten:	5 (0.2) A min. 100 mA
Dehumidifying:	3 (0.2) A / **FHY:** 2 (0.2) A / min. 100 mA
Contact:	changeover contact
Min.-Switching current:	min. 100 mA at 24 V~
Setting ranges:	30 … 100 % r.h. / **FHY:** 35 … 85 % r.h.
Switching difference:	ca. 4 % r.h. / **FHY:** ca. 5 % r.h.
Measuring accuracy:	approx. 3 % r.h. (microswitch at 50 % r.h.) **FHY:** ca. 4 % r.h. (microswitch at 50 % r.h.)
Degree of protection:	IP 30
Protection class:	II after acc. installation
General equipment:	mechanical range suppression
Admissible air moisture:	max. 95 % r.h., non condensing
Storage temperature:	–20 … +60°C
Ambient temperature:	10 … 60°C, **FHY + RKDSB:** 0 … 50°C
Housing colour:	pure white, similar to RAL 9010
Housing material:	plastic (ABS) / **FHY:** polycarbonate (PC)
Mounting / installation:	wall mounting or installation on an UP box
Weight:	approx. 90 g **FHY:** approx. 110 g **RKDSB:** approx. 160 g
Electrical connections:	terminal screws

Application

Hygrostat: The room hygrostat serves for the supervision and control of the relative humidity in business premises, domiciles, habitations, conservatories, bathing rooms, swimming pools, EDP rooms, etc. The relative humidity prevailing in a room impacts on a special sensing strip that, upon the attaining of a certain value, triggers a changeover contact. The adjusting knob on the front of the device enables to adjust the desired set value. The setting range can be restricted.

Hygrothermostat: Supervision **and** control of the relative humidity of the temperature combined in one device.

Note: Take care to comply with the distances that need to be observed between modular bathroom units as specified in DIN VDE 0100-701!

Model / Picture	Item No.	Equipment	Circuit diagram	PG
RFHSB-060.010 	MA 020000 Replaces PHY 60.010	External setting		A
RFHSB-060.011 	MA 020100 Replaces PHY 60.011	Internal setting		A
FHY 101.060#21 	UA 020003	External setting For flush installation – can be adapted to almost all currently available flush switch frame systems when using DIN 49075 compliant intermediate frames (current overview available on request). For examples of the integration into different switch lines, see page 14.		A
RKDSB-171.000 	MA 220000 Replaces MHT 60.300	1 ON / OFF switch for both thermostat and hygrostat **Thermostat:** external setting Control range: 10 … 35°C Switching current: 10 (4) heating –250 V~ 5 (2) cooling –250 V~ 1 (1) heating/cooling –24 V~ Switching difference: approx. 1 K		A

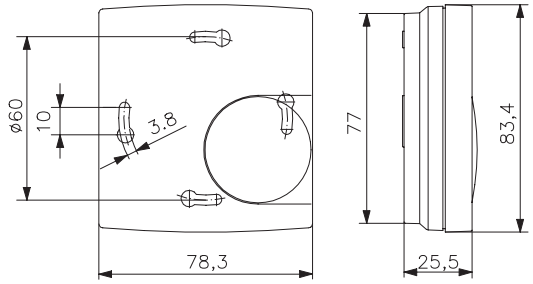
Hygrostats / hygrothermostats with mechanically operated sensors

For surface installation – Design Berlin 2000 / 3000 / UP

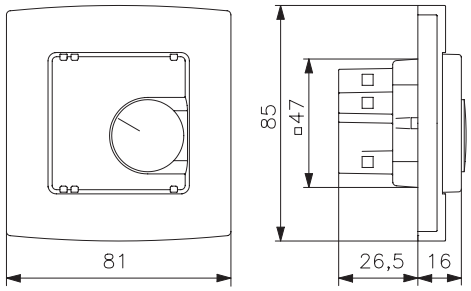
Model / Picture	Item No.	Equipment	PG
JZ-17	MN 990001 **New**	Adapter plate for the installation of the RKDSB on an UP box (incl. fixing screws for the installation of the RKDSB on the plate)	K

JZ-17

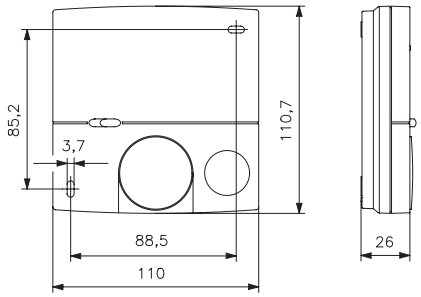
RFHSB



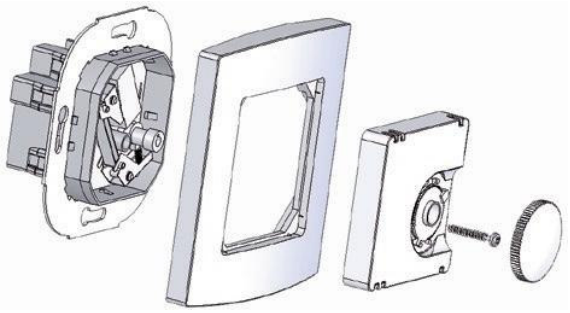
FHY



RKDSB



FHY with ALRE standard frame



FHY with intermediate frame