PRODUAL
measure-be sure.

HUMIDITY TRANSMITTER/CONTROLLER KLH-M

KLH-M transmitters are designed for detecting and controlling humidity and temperature in room spaces. The transmitter information can be used for demand based ventilation control, for example.

The transmitter can be connected to any system that supports Modbus RTU protocol by using the RS-485 connection. ML-SER tool is needed in commissioning for making the Modbus settings.

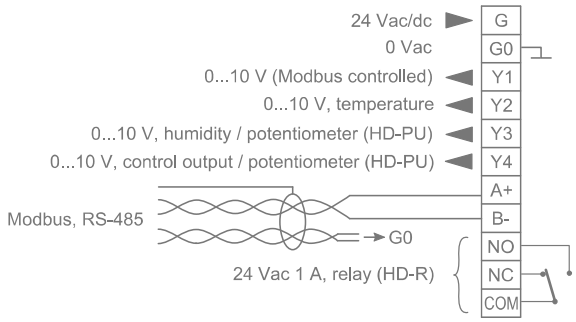
The measurement values scroll on the N model display. The wanted value can be locked to view continuously.

The control output (0…10 V or 2…10 V) can be controlled either according to a one measurement value or according to the maximum selection of all values. The controller settings can be changed by using the ML-SER tool.

The transmitter can be equipped with following options:

- HD-PU: Active 0…10 V potentiometer. The potentiometer information can be directed to output (Y3 or Y4) or used to adjust the internal controller set point.
- HD-R: Relay (24 Vac, 1 A) that switches according to the one measurement value or according to the all values. The relay switching point can be adjusted by using ML-SER tool.

Wiring:



Technical data

Supply	24 Vac/dc (22…28 V), < 2 W
Humidity measurement	
Range	0…100 %rH
Accuracy (25 °C)	±2 %rH
Temperature measurement	
Range	0...50 °C
Accuracy (25 °C)	±0.5 °C
Outputs	0…10 V < 2 mA
Operating conditions	
Temperature	0...+50 °C
Humidity	0...100 % RH (non cond.)
Housing	IP20, ABS plastic
Mounting	on the wall surface or on the standard flush mounting box (60 mm hole distance)
Dimensions (w x h x d)	87 x 86 x 30 mm

Ordering guide:

Model	Product number	Description
KLH-M	1132600	%RH and °C Modbus room transmitter
KLH-M-N	1132601	Modbus room transmitter with display
HD-PU	1135002	option, 0…10 V potentiometer
HD-R	1135003	option, relay 24 Vac 1 A
ML-SER	1139010	transmitter commissioning tool

Products fulfil the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).

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