

## KLH-M ROOM HUMIDITY TRANSMITTER WITH MODBUS

KLH-M is a combined relative humidity and temperature transmitter made for indoor measuring.

Measurements are available via Modbus but also as linear 0...10Vdc signals.

AO3 output (terminal 5) can also be configured to work as a controller output (= P-controller), and then the transmitter is working also as a humidity or temperature controller. AO3 output can also be controlled directly via Modbus.

Mounting can be made on a wall surface or on a standard conduit box.

Available is also a model with a %rH and/or °C display; type KLH-M-N. As a factory setting, the display is changing in cycles of 3 s between temperature and humidity. By pushing S1 during the desired display this variable stays fixed.

For commissioning the HDH-C tool is needed for making the Modbus and possible controller settings. After completed commissioning the tool can be removed.

Wiring:

1	24 V ac/dc
2	0 V
3	
4	0-10V = 0...+50°C
5	0-100%RH = 0-10V
6	S+ ModBus
7	S- ModBus
8	0 V =Terminate
S1 = Display mode Push mom. > Select scanning or current unit	



### Technical data:

Supply		24V ac/dc, <1VA (15-28Vac/dc)
Outputs		0-10Vdc, < 2mA
Range	humidity	0... 100 % rH
	continuous use	5...95 % rH
	temperature	0...50°C
Communication		Modbus RTU
Accuracy at 25°C		
	humidity	+/- 2% rH, (0...90%RH)
	temperature	+/- 0,5°C
Long term stability		+/- 5 % rH, 24 kk
Ambient	temperature	0...50°C
	humidity	0...100 %rH (non condensing)
Housing		ABS plastics, IP20

### Ordering guide:

Model	Product number	Description
KLH-M	1132600	room humidity transmitter with Modbus
KLH-M-N	1132601	room humidity transmitter with Modbus and display
HDH-C	1135042	Modbus commissioning tool

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