KLK and KLH Duct Humidity and Temperature Transmitters

KLK and KLHJ combined humidity and temperature transmitters detect duct air humidity by a capacitive element and temperature by the thermistor element. The linear output signals (humidity and temperature) can be configured to be either 0..10V or 4..20mA signal. High quality elements guarantee long stability and wide operating ranges for both humidity and temperature.

**Power Supply:** 24Vac/dc ±15%, <1.2VA
**Ranges:** 0...100%rh / -50...50°C
**Accuracy (Humidity):** ±2% rh at 25°C (0...90%rh)
**Accuracy (Temp):** ±0.5°C at 25°C
**Output 1 (Humidity):** 0..10Vdc <1mA = 0..100%rh or 4..20mA <600 Ohm
**Output 2 (Temperature):** 4..20mA <600 Ohm
**Mounting (KLK):** Using Adjustable Flange
**Mounting (KLHJ):** Using Adjustable Flange, 2m Cable
**Dimensions:** KLK Enclosure: W70 x H98 mm
**KLHJ Enclosure: W115 x H115 mm**

**Probe Mounting:** Max. 150mm (Adj.)

RHO Outside Relative Humidity and Temperature Transmitters, Modbus / BACnet Options

RHO are outside humidity and temperature sensors (relative humidity) for measurement of relative humidity outdoors. Illuminated display, indicator & control unit with autoadapt and capacitive buttons. The duration of lighting, contrast and temperature can be configured via the menu. 5-point calibration: linear interpolation of the output curve over 5 user-defined points.

10 offset points: linear shift of characteristic curve the output signal via 10-level rotary switch.

Captive lid with 8-way positioning.

**Power Supply:** 15...35Vac / 15...30Vac <85mA
**Humidity Range:** 0...100%rh
**Accuracy:** ±3%rh (for 20...80%rh)
**Temperature Range:** -50 to +50°C, adjustable with optional display
**Temp Accuracy:** ±0.5°C
**Outputs:** 2 x 0..10Vdc or 4..20mA (relative humidity / temperature)
**Communication (MOD/BAC Models):**
- **Address:** 1..127, Baud Rate: 96/192/384/576K
- **Perm. Ambient Temp:** -20...+70°C
- **Protection Class:** IP65 Including Seal
- **Enclosure:** Plastics Grey/Blue
- **Cable Gland:** M16
- **Terminals:** Spring Terminals 0.2..1.5mm²

KLU Outside Humidity and Temperature Transmitters

KLU combined humidity and temperature transmitters are designed for outdoor use. The linear output signals (humidity and temperature) can be configured to be either 0..10V or 4..20mA signal. High quality elements guarantee long stability and wide operating ranges for both humidity and temperature.

**Power Supply:** 24Vac/dc, <1.2VA
**Ranges:** 0...100%rh / -50...50°C
**Accuracy (Humidity):** ±2% rh at 25°C (0...90%rh)
**Accuracy (Temp):** ±0.5°C at 0°C
**Output 1 (Humidity):** 0..10Vdc <1mA = 0...100%rh or 4..20mA <1000 Ohm
**Output 2 (Temperature):** 0..10Vdc <2mA = 0...100%rh or 4..20mA <1000 Ohm
**Mounting:** Wall Mounting, IP54
**Dimensions:** Enclosure: W115 x H115 x D45 mm

**DESCRIPTION**
- The duration of lighting, contrast and linear shift of characteristic curve the output curve over 5 user-defined points.
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- 10 offset points: linear shift of characteristic curve the output signal via 10-level rotary switch.
- Captive lid with 8-way positioning.
- **Power Supply:** 15...35Vac / 15...30Vac <85mA
- **Humidity Range:** 0...100%rh
- **Accuracy:** ±3%rh (for 20...80%rh)
- **Temperature Range:** -50 to +50°C, adjustable with optional display
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- **Communication (MOD/BAC Models):**
  - **Address:** 1..127, Baud Rate: 96/192/384/576K
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