

# Installation Guide

## Temperature and Humidity Transmitter

### Model KTH500

#### 1.0 GENERAL INFORMATION

Every model KTH500 has been tested and calibrated before shipment.  
The installation guide shall be read before commissioning the equipment, which is part of the scope of supply and serves for ensuring proper handling.

#### 2.0 TECHNICAL DATE

Model	KTH500
Power Supply	16-30V DC (2 wire 4-20mA)
	16-30V AC or V DC ( 0-5V/0-10V/RS 485 )
Output	4-20mA / 0-5V / 0-10V/ RS 485
Operating Temp	-35...+80°C
Storage Temp	-40...+80°C
Operating Humidity	0 ... 100 %RH
Temperature Range	DIP switch
Display	Backlight LCD
Maximum Wind / Flow Speed	30 m/s
Electromagnetic Compliance	EN61326-1, Industrial Environment
Housing Material	PC+GF (UL-V0 approved)
Ingress Protection	IP65 / NEMA 4
Cable Gland	M16*1.5 and M20*1.5

##### Measurement Performance

Temperature	
Measurement Range	-35 ... +80 °C
Accuracy	±0.3°C ( 20-60°C )
Temperature Dependence	±0.01 °C/°C
Relative Humidity	
Measurement Range	0 ... 100 %RH
Accuracy	±2% ( 20-90% @25°C )
	±3% ( 90-100% @25°C )
Stability in Typical HVAC Applications	±1 %RH/year

#### 3.0 PRODUCT DESCRIPTION

##### 3.1 Dimensions



