



A: Duct Mounted



B: Wall Mounted



Description

KTH510 temperature and humidity transmitters can be used to measure relative humidity and temperature in various HVAC applications, as well as monitor building energy management systems. This series of products includes duct-mounted transmitters, IP65 protection class wall-mounted transmitter.

KTH510 series temperature and humidity transmitters are easy to install, have high accuracy, stable and reliable operation, and are ideal for various harsh environments.

Features

- Shell connected by hinge
 - More convenient wiring and setting
- M16 M20 double cable gland
 - Cable size $\phi 5 \dots 12\text{mm}$
- Smooth and flat surface
 - Prevent the pollution of the shell surface in harsh environment
- IP65/NEMA4

Applications

- HVAC system
- Greenhouse
- Food transportation
- Cold storage and refrigeration
- Clean room environment monitoring

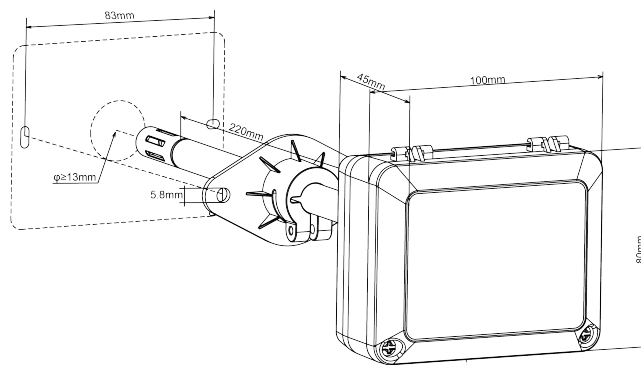
Technical Data

Model	KTH510
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	-40...+60 °C
Storage Temp	-40...+60 °C
Operating Humidity	0 ... 100 %RH
Temperature Range	DIP switch
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	-40 ... +60 °C
Accuracy	0.2°C (20-60°C)
Temperature Dependence	±0.01 °C/°C
Relative Humidity	
Measurement Range	0 ... 100 %RH
Accuracy	2.5% (0-90% @25°C)
	3% (90-100% @25°C)
Stability in Typical HVAC Applications	±1 %RH/year

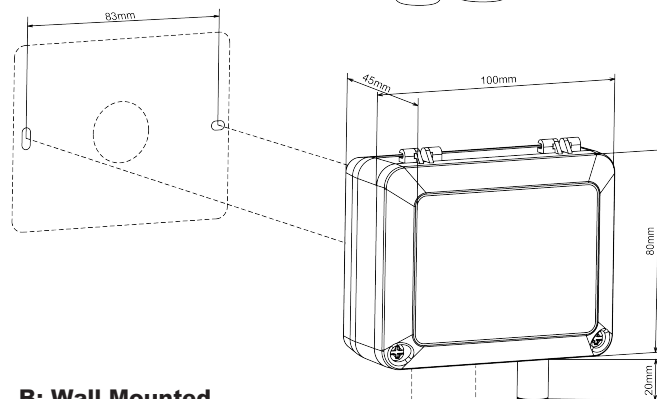
Dimensions (mm/inch)



A: Duct Mounted

Cable Gland M16 X1.5

Cable Gland M20 X1.5



B: Wall Mounted

Cable Gland M16 X1.5

Cable Gland M20 X1.5

Ordering Guide

KTH510 — Output — Installation — Filter

Model	Output		Installation		Filter	
KTH510	4-20mA	(C)	Wall	(W)	PTFE	(P)
	0-10V	(V)	Duct	(P)	Stainless	(S)
	RS-485	(T)				

Order Examples

KTH510-CWP

Model	Temperature and Humidity Transmitter
Output	4-20mA
Installation	Wall-mounted
Filter	PTFE