

Temperature & Humidity Switch

AHS-300 Series is designed for control environment humidity and temperature. One or two setting point can be programmed upon application. When the environmental temperature or humidity value reaches the setting point, it can send signal to control ventilation, dehumidifier, humidifier or air conditioner. The general applications are bath room, food storage, warehouse, hospital, offices, hotels and etc.



■ Specifications

Model	AHS-300	AHS-301
Control mode	Dehumidification, humidification, heating , cooling	Dehumidification, humidification, heating , cooling, Dehumidification + cooling
Setting point	1	2
Signal Output	RELAY (10A / 250 VAC)	
Setting point range	Temperature: -40°C ~ 99°C; Humidity: 1~99%RH	
Sensing element	CMOS sensor	
Measurement Range	Temperature: -40°C ~ 99°C; Humidity: 0~99%RH	
Hysteresis (default)	Temperature: ±1°C; Humidity: ±3 %RH	Temperature: ±3°C; Humidity: ±5 %RH
Hysteresis range	0 ~ 9 (°C/%RH)	
Calibration range	-9 ~ 9 (°C/%RH)	
Accuracy	Temperature: ±0.5°C at 25°C; Humidity: ±4.5%RH (at 25°C, 20~80%RH)	
Long Term Stability	Temperature: ±0.25°C per year ; Humidity: 1%RH; typical at 50% RH in five years	
Power Supply:	85~265 or 24 VAC/VDC ±10%	
Operating temperature & humidity	Wall-mount: -30°C ~ +70°C; Probe of separated type: -40°C ~ +70°C/ 5% ~ 95% RH without condensation	
Storage temperature	-40°C ~ +70°C	
Housing material	Plastic (ABS), Flame retardant acc. to UL94-V2	
Protection	Wall-mount: IP30, Probe of separated type: IP65	
Dimension (mm)	Main unit: 120(L) x 83(W) x 28(H); Cable + sensor probe: 3060 mm	

*All information is subject to change without prior notice.