



HT6000 Series

Temperature and Humidity Sensors and Transmitters

HT6000 Series Temperature & Humidity Sensors and Transmitters

Johnson Controls HT6000 series temperature & humidity sensors and transmitter are designed to apply in commercial building market to measure the temperature and humidity value of the environment.



Features:

- Good long-term stability and anti-interference ability
- High IP protection
- Static overvoltage and reverse connection protection
- Multiple installation options available



Naming Rule:

Series	Installation Mode	Temperature Measurement Range	Temperature Output	Humidity Output	Humidity Accuracy
HT6000	D: Duct Type	x: Default	N: NTC10K output	V: Voltage 0-10V output	±3%RH
	W: Wall Mount		P: PT1000 output	C: Current 4-20mA output	
	R: Room Type		V: Voltage 0-10V output		
			C: Current 4-20mA output		



Selection Table:

Part Number	Temperature Output	Humidity Output	Temperature Accuracy	Temperature Measurement Range	Humidity Accuracy	Humidity Measurement Range	IP Protection
HT6000DxNV3	NTC10K Type 2	0-10V	±0.3°C @25°C	-40~100°C	±3% @ 25°C & 20~80%RH	0-100%RH	IP65
HT6000DxNC3	NTC10K Type 2	4-20mA	±0.3°C @25°C	-40~100°C	±3% @ 25°C & 20~80%RH	0-100%RH	IP65
HT6000DxPV3	PT1000	0-10V	±0.2°C @0°C	-40~100°C	±3% @ 25°C & 20~80%RH	0-100%RH	IP65
HT6000DxPC3	PT1000	4-20mA	±0.2°C @0°C	-40~100°C	±3% @ 25°C & 20~80%RH	0-100%RH	IP65
HT6000DxVV3	0-10V	0-10V	±0.3°C @25°C	-40~100°C DIP Switch Adjustment	±3% @ 25°C & 20~80%RH	0-100%RH	IP65
HT6000DxCC3	4-20mA	4-20mA	±0.3°C @25°C	-40~100°C DIP Switch Adjustment	±3% @ 25°C & 20~80%RH	0-100%RH	IP65
HT6000WxNV3	NTC10K Type 2	0-10V	±0.3°C @25°C	-40~100°C	±3% @ 25°C & 20~80%RH	0-100%RH	IP65
HT6000WxNC3	NTC10K Type 2	4-20mA	±0.3°C @25°C	-40~100°C	±3% @ 25°C & 20~80%RH	0-100%RH	IP65
HT6000WxPV3	PT1000	0-10V	±0.2°C @0°C	-40~100°C	±3% @ 25°C & 20~80%RH	0-100%RH	IP65
HT6000WxPC3	PT1000	4-20mA	±0.2°C @0°C	-40~100°C	±3% @ 25°C & 20~80%RH	0-100%RH	IP65
HT6000WxVV3	0-10V	0-10V	±0.3°C @25°C	-40~100°C DIP Switch Adjustment	±3% @ 25°C & 20~80%RH	0-100%RH	IP65
HT6000WxCC3	4-20mA	4-20mA	±0.3°C @25°C	-40~100°C DIP Switch Adjustment	±3% @ 25°C & 20~80%RH	0-100%RH	IP65
HT6000RxNV3	NTC10K Type 2	0-10V	±0.3°C @25°C	0~50°C	±3% @ 25°C & 20~80%RH	0-100%RH	IP30
HT6000RxNC3	NTC10K Type 2	4-20mA	±0.3°C @25°C	0~50°C	±3% @ 25°C & 20~80%RH	0-100%RH	IP30
HT6000RxPV3	PT1000	0-10V	±0.2°C @0°C	0~50°C	±3% @ 25°C & 20~80%RH	0-100%RH	IP30
HT6000RxPC3	PT1000	4-20mA	±0.2°C @0°C	0~50°C	±3% @ 25°C & 20~80%RH	0-100%RH	IP30
HT6000RxVV3	0-10V	0-10V	±0.3°C @25°C	0~50°C	±3% @ 25°C & 20~80%RH	0-100%RH	IP30
HT6000RxCC3	4-20mA	4-20mA	±0.3°C @25°C	0~50°C	±3% @ 25°C & 20~80%RH	0-100%RH	IP30



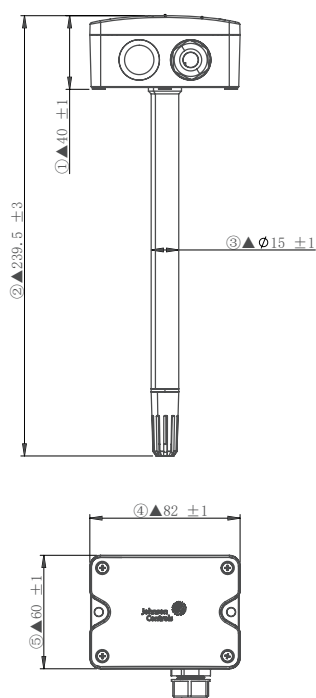
Specification:

Temperature measurement range	Duct type& Wall mount: -40~100℃ DIP Switch Adjustment for voltage and current output products: 0~50℃ ; 0~60℃ ; 0~80℃ ; 0~100℃ ; -20~60℃ (default); -20~80℃ ; -40~60℃ ; Room Type: 0~50℃
Temperature accuracy	±0.3℃ @25℃ (NTC10K, 0-10V,4-20mA output) ; ±0.2℃ @0℃ (PT1000 output)
Temperature output	NTC10K Type2
	PT1000
	0-10V
	4-20mA
Humidity measurement range	0-100%RH
Humidity accuracy	±3% (25℃, 20-80%RH)
Humidity output	0-10V, 4-20mA
IP Protection	IP65(Duct type,Wall mount) / IP30 (Room type)
Power Supply	Voltage Output: 15~35VDC/24VAC ±20%; Current Output: 19.5~35VDC(RL=250Ω),9.5~35VDC(RL=0Ω)
Output Load	≤500Ω (Voltage Output) , ≥3kΩ (Current Output)
Closure	PC (UL94-V0)
Working environment	-40~60℃ & 5~95%RH (No condensation) (Duct type/Wall mount) 0~50℃ & 5~95%RH (No condensation)(Room type)
Storage environment	-40~60℃ & 5~95%RH (No condensation) (Duct type/Wall mount) 0~50℃ & 5~95%RH (No condensation) (Room type)
Certificate	CE

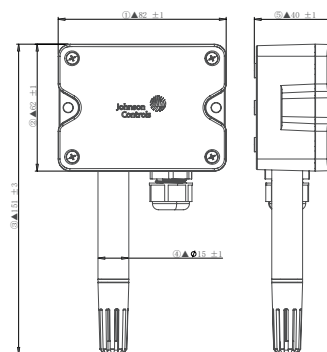


Dimension:

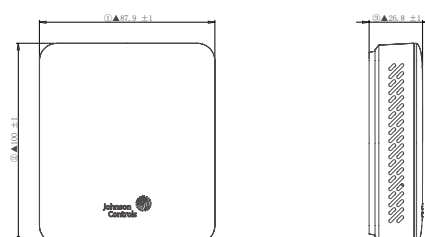
Duct Type



Wall Mount



Room Type



Johnson Controls:

At Johnson Controls (NYSE:JCI) we transform the environments where people live, work, learn and play. As the global leader in smart, healthy and sustainable buildings, our mission is to reimagine the performance of buildings to serve people, places and the planet.

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