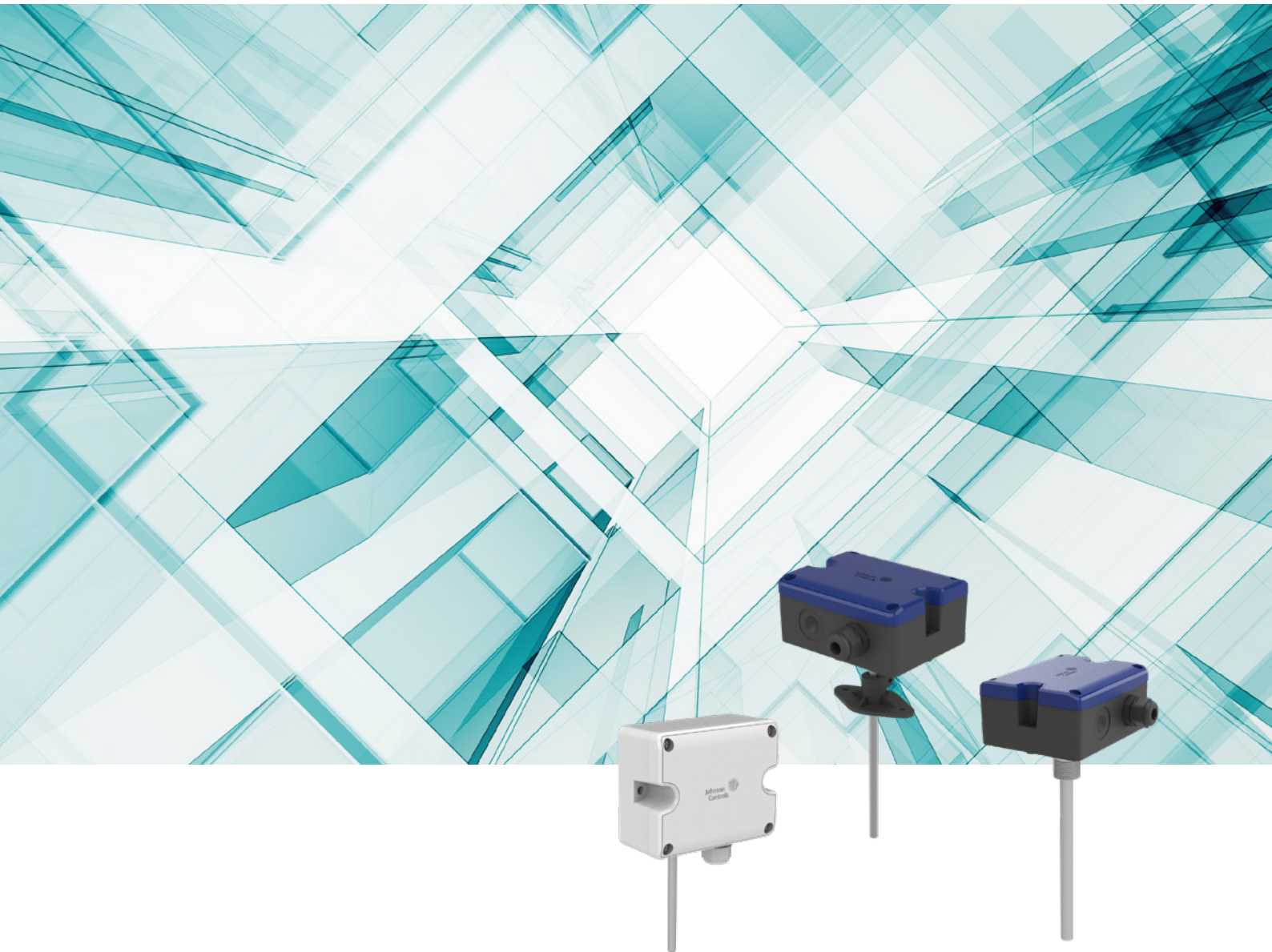


HT7000 Series

Temperature Transmitter



The power behind **your mission**



JOHNSON CONTROLS HT7000 SERIES TEMPERATURE TRANSMITTER

Johnson Controls HT7000 series temperature transmitter is designed for office building, hospital and other application, which is a basic sensor product can detect the ambient temperature parameter. This product selects high precision sensing element and circuit to convert the measured value into analog signal output to compatible with Johnson Controls BAS system.



Feature

- Good long-term stability and anti-interference ability
- Static overvoltage and reverse connection protection
- IP65 High IP protection
- Multiple installation modes available



Naming Rule

Series	Installation Mode	Temperature Measurement Range	Output	Probe length
HT7000	D: Duct Type	1: -40~60° C	V: Voltage output 0-10V	0: Default (0 for Duct type and Wall mount)
	W: Wall Mount	2: -20~80° C	C: Current output 4-20mA	1: 65mm
	I: Immersion Type	3: 0~50° C		2: 102mm
		4: -10~50° C		3: 152mm
		5: -40~150° C		4: 300mm (1-4 for immersion type only)

Note: Immersion product includes protection well, same length with probe. The material of protection well is SS304.



Johnson Controls HT7000 series temperature transmitter is designed for office building, hospital and other application





Selection Table

Part Number	Output	Temperature Accuracy	Temperature Measurement Range	IP Protection	Probe Length
HT7000D1V0	0-10V	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	-40~60 $^{\circ}\text{C}$	IP65	Default
HT7000D1C0	4-20mA	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	-40~60 $^{\circ}\text{C}$	IP65	Default
HT7000D2V0	0-10V	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	-20~80 $^{\circ}\text{C}$	IP65	Default
HT7000D2C0	4-20mA	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	-20~80 $^{\circ}\text{C}$	IP65	Default
HT7000D3V0	0-10V	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	0~50 $^{\circ}\text{C}$	IP65	Default
HT7000D3C0	4-20mA	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	0~50 $^{\circ}\text{C}$	IP65	Default
HT7000W3V0	0-10V	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	0~50 $^{\circ}\text{C}$	IP65	Default
HT7000W3C0	4-20mA	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	0~50 $^{\circ}\text{C}$	IP65	Default
HT7000W1V0	0-10V	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	-40~60 $^{\circ}\text{C}$	IP65	Default
HT7000W1C0	4-20mA	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	-40~60 $^{\circ}\text{C}$	IP65	Default
HT7000W4V0	0-10V	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	-10~50 $^{\circ}\text{C}$	IP65	Default
HT7000W4C0	4-20mA	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	-10~50 $^{\circ}\text{C}$	IP65	Default
HT7000I5V1	0-10V	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	-40~150 $^{\circ}\text{C}$	IP65	65mm
HT7000I5C1	4-20mA	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	-40~150 $^{\circ}\text{C}$	IP65	65mm
HT7000I5V2	0-10V	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	-40~150 $^{\circ}\text{C}$	IP65	102mm
HT7000I5C2	4-20mA	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	-40~150 $^{\circ}\text{C}$	IP65	102mm
HT7000I5V3	0-10V	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	-40~150 $^{\circ}\text{C}$	IP65	152mm
HT7000I5C3	4-20mA	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	-40~150 $^{\circ}\text{C}$	IP65	152mm
HT7000I5V4	0-10V	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	-40~150 $^{\circ}\text{C}$	IP65	300mm
HT7000I5C4	4-20mA	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$	-40~150 $^{\circ}\text{C}$	IP65	300mm



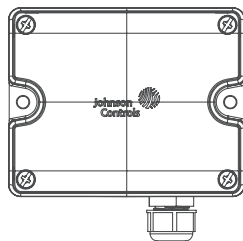
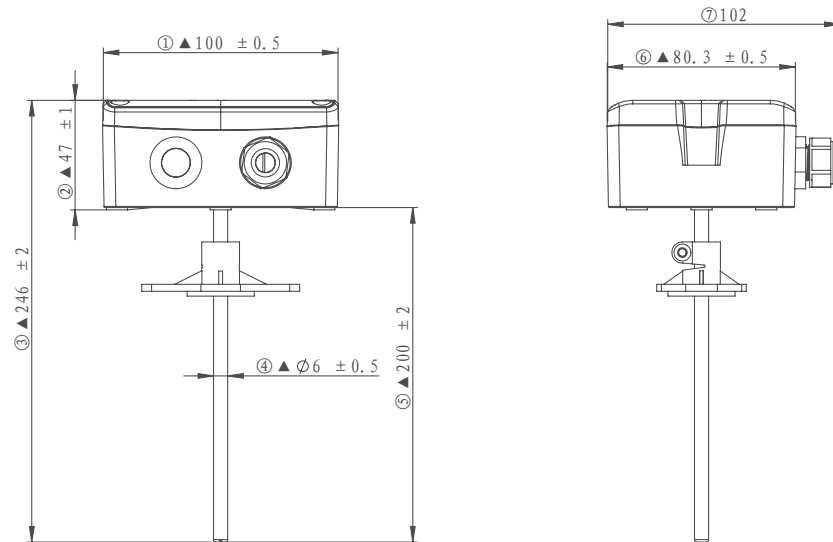
Specification

Temperature sensing element	PT1000 (measure accuracy $\pm 0.2\text{K}@25^{\circ}\text{C}$)
Temperature measurement range	Duct type: -20~80 $^{\circ}\text{C}$ 、-40~60 $^{\circ}\text{C}$ 、0~50 $^{\circ}\text{C}$
	Wall mount: -40~60 $^{\circ}\text{C}$ 、0~50 $^{\circ}\text{C}$ 、-10~50 $^{\circ}\text{C}$
	Immersion type: -40~150 $^{\circ}\text{C}$
Temperature accuracy	$\pm 0.3^{\circ}\text{C}$ @25 $^{\circ}\text{C}$
Temperature output	0-10V
	4-20mA
IP Protection	IP65
Power supply	Voltage output: 15~35VDC/24VAC $\pm 20\%$; Current output: 18.5~35VDC (RL=500 Ω) , 8.5~35VDC (RL=0 Ω)
Output Load	$\leq 500\Omega$ (current output) , $\geq 3\text{k}\Omega$ (voltage output)
Closure	PC (UL94-V0)
Working environment	-40~70 $^{\circ}\text{C}$ & 0~95%RH (No condensation)
Storage environment	-30~70 $^{\circ}\text{C}$ & 0~95%RH (No condensation)
Certificate	CE

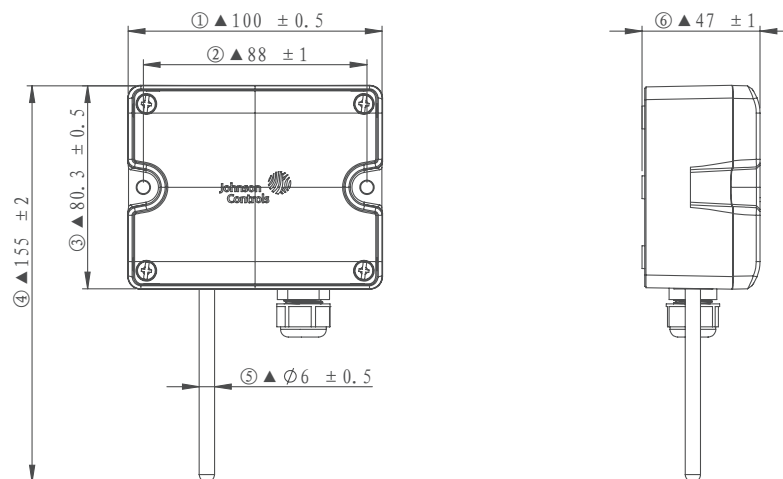


Dimension

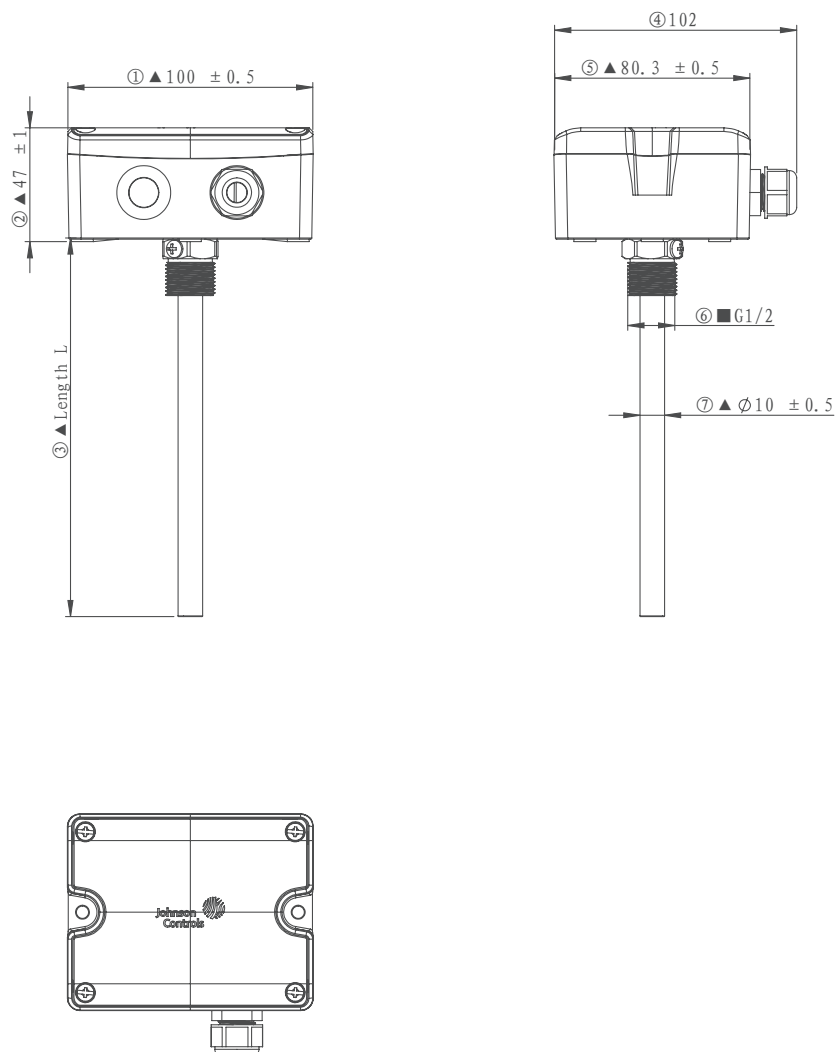
Duct Type



Wall Mount



Immersion 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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For more information, visit www.johnsoncontrols.com or follow us @johnsoncontrols on Twitter.

AUSTRALIA

5 Lindwall Place,
Rouse Hill,
NSW 2155, Australia

HONG KONG

11/F & 12/F,
Millennium City 6,
392 Kwun Tong Road,
Kwun Tong,
Kowloon, Hong Kong

INDONESIA

Wisma 77, 16th Floor,
Jl. S. Parman Kav. 77,
Slipi,
Jakarta 11410,
Indonesia

MALAYSIA

Luxor Tech Centre,
Level 2,
No. 1A, Jalan
Teknologi, Taman
Sains Selangor 1, Kota
Damansara, PJU 5,
47810 Petaling Jaya,
Selangor Darul Ehsan,
Malaysia

SINGAPORE

31 International
Business Park Road,
#03-02, Lobby D & E,
Singapore 609921

KOREA

34, Mareunnae-ro,
Jung-gu,
Seoul, 04555, Korea

THAILAND

33/4 The Ninth
Towers, Grand Rama
9, 29th Floor, Tower B
Rama 9 Road
Huaykwang,
Bangkok, 10310
Thailand

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