

TEMPERATURE

HONEYWELL THERMISTORS TEMPERATURE SENSORS C7 SERIES



DESCRIPTION

The Honeywell Thermistor temperature Flush, Button, Strap-on, Clamp-on, Averaging, Duct, OSA and Immersion sensors are designed for HVAC and BAS systems. The sensors come complete and ready to install for their specific application.

FEATURES

- Easy to mount
- Proven long performance
- Many mounting styles
- Single assembly ordering
- Stainless steel insertion probe



SPECIFICATIONS							
	Flush	Button	Strap/ Clamp-on	Averaging	Duct	OSA	Immersion
Accuracy	±0.36°F @ 77°F (±0.2°C @ 25°C)	±0.36°F @ 77°F (±0.2°C @ 25°C)	±0.36°F @ 77°F (±0.2°C @ 25°C)	±0.36°F @ 77°F (±0.2°C @ 25°C)	±0.36°F @ 77°F (±0.2°C @ 25°C)	±0.36°F @ 77°F (±0.2°C @ 25°C)	±0.36°F @ 77°F (±0.2°C @ 25°C)
Sensor Type	20K Ω , 10K Ω Type II & III Thermistor	20K Ω , 10K Ω Type II & III Thermistor	20K Ω , 10K Ω Type II & III Thermistor	20K Ω , 10K Ω Type II & III Thermistor	20K Ω , 10K Ω Type II & III Thermistor	20K Ω , 10K Ω Type II & III Thermistor	20K Ω , 10K Ω Type II & III Thermistor
Temperature Range	45° to 99°F (7° to 37°C)	-40° to 250°F (-40° to 121°C)	-40° to 250°F (-40° to 121°C)	-40° to 250°F (-40° to 121°C)	-40° to 250°F (-40° to 121°C)	-40° to 158°F (-40° to 70°C)	-40° to 250°F (-40° to 121°C)
Wiring Terminations	6"-22" 6"-22" lead wire length 10k Type II Thermistor (Green & White Leads) 10k Type II Thermistor (White & White Leads) 20k Thermistor (Green & Blue Leads) lead wire length	6"-22" lead wire length 10k Type II Thermistor (Green & White Leads) 10k Type II Thermistor (White & White Leads) 20k Thermistor (Green & Blue Leads) 6"-22" lead wire length	6"-22" lead wire length 10k Type II Thermistor (Green & White Leads) 10k Type II Thermistor (White & White Leads) 20k Thermistor (Green & Blue Leads) 6"-22" lead wire length	6"-22" lead wire length 10k Type II Thermistor (Green & White Leads) 10k Type II Thermistor (White & White Leads) 20k Thermistor (Green & Blue Leads) 6"-22" lead wire length	6"-22" lead wire length 10k Type II Thermistor (Green & White Leads) 10k Type II Thermistor (White & White Leads) 20k Thermistor (Green & Blue Leads) 6"-22" lead wire length	6"-22" lead wire length 10k Type II Thermistor (Green & White Leads) 10k Type II Thermistor (White & White Leads) 20k Thermistor (Green & Blue Leads) 6"-22" lead wire length	6"-22" lead wire length 10k Type II Thermistor (Green & White Leads) 10k Type II Thermistor (White & White Leads) 20k Thermistor (Green & Blue Leads)
Dimensions	4.5"H x 2.8"W x 0.3"D (11.4 x 7 x 0.8 cm)	1.2" Long x 0.69" Diameter (3 x 1.8 cm)	4.5"H x 2.8"W x 0.3"D (11.4 x 7 x 0.8 cm)	4.2"H x 3.9"W (10.7 x 10 cm); 12" (3.7m); 24" (7.3m)	4.2"H x 3.9"W (10.7 x 10 cm); 6" 7.9" D (20); 12" 13.8" D (35); 18" 19.8" D (50)	8.6"H x 3.6"W x 2.3"D (21.1 x 9.1 x 5.7 cm)	6.7"H x 4.2"W x 2.3"D (17 x 10.7 x 5.8 cm)
Weight	0.2 lb (0.1 Kg)	0.9 lb (0.41 Kg)	Clamp-on 1 lb (0.45 Kg); Strap-on 0.1 lb (0.05 Kg)	12' 1.5 lb (0.68 Kg), 12' Flexible 2.2 lb (1 Kg), 24' Flexible 3.1 lb (1.4 Kg)	6" 1 lb (0.45 Kg); 12" 1.1 lb (0.5 Kg); 18" 1.2 lb (0.54 Kg)	0.6 lb (0.24 Kg)	1 lb (0.45 Kg)
Warranty	1 year	1 year	1 year	1 year	1 year	1 year	1 year



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ORDERING INFORMATION

Model	Description	Model	Description
Flush		Clamp/ Strap-on	
C7772A1004	Stainless Steel Plate 20kΩ Thermistor without Logo	C7041K2005	Clamp-on 20kΩ Thermistor
C7772A1012	Stainless Steel Plate 20kΩ Thermistor with Logo	C7041N2020	Strap-on 20kΩ Thermistor
C7772F1004	Stainless Steel Plate 10kΩ Type 2 Thermistor without Logo	C7021K2005	Clamp-on 10kΩ Type 2 Thermistor
C7772F1012	Stainless Steel Plate 10kΩ Type 2 Thermistor with Logo	C7021N2001	Strap-on 10kΩ Type 2 Thermistor
C7772G1004	Stainless Steel Plate 10kΩ Type 3 Thermistor without Logo	C7023K2005	Clamp-on 10kΩ Type 3 Thermistor
C7772G1012	Stainless Steel Plate 10kΩ Type 3 Thermistor with Logo	C7023N2001	Strap-on 10kΩ Type 3 Thermistor
Duct		Averaging	
C7041B2005	Duct 20kΩ Thermistor with Handibox 6"	C7041J2007	12' 20kΩ Thermistor Averaging with Handibox
C7041B2013	Duct 20kΩ Thermistor with Handibox 12"	C7041R2000	12' 20kΩ Thermistor Flexible Averaging with Handibox
C7041C2003	Duct 20kΩ Thermistor with Handibox 18"	C7041R2018	24' 20kΩ Thermistor Flexible Averaging with Handibox
C7021B2005	Duct 10kΩ Type 2 Thermistor with Handibox 6"	C7021J2007	12' 10kΩ Type 2 Thermistor Averaging with Handibox
C7021B2013	Duct 10kΩ Type 2 Thermistor with Handibox 12"	C7021R2000	12' 10kΩ Type 2 Thermistor Flexible Averaging with Handibox
C7021C2003	Duct 10kΩ Type 2 Thermistor with Handibox 18"	C7021R2018	24' 10kΩ Type 2 Thermistor Flexible Averaging with Handibox
C7023B2005	Duct 10kΩ Type 3 Thermistor with Handibox 6"	C7023J2007	12' 10kΩ Type 3 Thermistor Averaging with Handibox
C7023B2013	Duct 10kΩ Type 3 Thermistor with Handibox 12"	C7023R2000	12' 10kΩ Type 3 Thermistor Flexible Averaging with Handibox
C7023C2003	Duct 10kΩ Type 3 Thermistor with Handibox 18"	C7023R2018	24' 10kΩ Type 3 Thermistor Flexible Averaging with Handibox
Immersion		Outside Air	
C7041D2001	Immersion 20kΩ Thermistor with Handibox	C7041F2006	Outside Air 20kΩ Thermistor
C7021D2001	Immersion 10kΩ Type 2 Thermistor with Handibox	C7021F2006	Outside Air 10kΩ Type 2 Thermistor
C7023D2001	Immersion 10kΩ Type 3 Thermistor with Handibox	C7023F2006	Outside Air 10kΩ Type 3 Thermistor
Button			
C7041P2004	Button Room 20kΩ Thermistor		
C7021P2004	Button Room 10kΩ Type 2 Thermistor		
C7023P2004	Button Room 10kΩ Type 3 Thermistor		

RELATED PRODUCTS

APB-28	Adjustable pipe bracket 2"-8" diameter
TCC-111	Thermal conductive compound 111 ml tub
CC-1G-K	Plastic capillary and sensor holder mounting clip
M-648-K	Copper-clad capillary mounting clip
50001774-001	Stainless Steel well for C7xxcD Series Honeywell Immersion sensors