

# PRECISION AND VERSATILITY YOU CAN RELY ON

Your source for every job: Honeywell sensors are built to work reliably and install easily, with options to cover all your control applications and mounting options.

#### **TEMPERATURE SENSORS**

Support a range of applications from averaging, outdoor and immersion sensors to duct-mount, strap-on and wall mount sensors



# CURRENT SENSORS AND SWITCHES

Compatible with building management system, DDC, or PLC controllers



Facilitates proactive fault detection or fail-safe operation to minimize equipment down-time or associated cost

Split core versions for simplified installation in existing applications

#### **HUMIDITY SENSORS**

Highly accurate, stable humidity sensors designed for use with HVAC controllers and direct digital controllers (DDCs)



Multiple configurations available, including wall, duct and outdoor

# DIFFERENTIAL PRESSURE SENSORS

Field selectable pressure ranges

Analog voltage or current outputs

Dry pressure sensors for building (zone) pressure, filter condition measurement and duct/ static applications

Wet pressure sensors for hot/chilled water applications, process control systems, and hydronic system monitoring

### **IAQ SENSORS**

Proper air cleaning and exchange can help reduce disease transmission by removing or dispelling pathogens, as well as odors, chemicals, and CO2

Honeywell CO2, TVOC, PM 2.5 and Multi-Sensors can be combined with the Healthy Buildings dashboard for IAQ monitoring and support demand ventilation control



#### **ECONOMIZER SENSORS**

Duct mounted sensors for enthalpy or temperature measurement



Simplifies integration with industry leading Honeywell JADE economizer control for energy savings and improved indoor air quality

#### **WALL MODULES**

Simple two-wire connectivity via Sylk<sup>TM</sup>
Bus with up to 3 sensor types per device, plus user interface.



#### **DEW POINT SENSORS**

Designed for use in monitoring cooling water pipes or chilled surfaces to determine if temperatures are approaching dewpoint



Suitable for mounting on flat and round surfaces



# **CONTROLLER-SPECIFIC WALL MODULES & TEMPERATURE SENSORS**

				On-	-Board Sen	sors					
	Part Number	Images	Display	Temp	Humidity	CO <sub>2</sub>	Features	Customizable Parameters*	Schedule Access	Controller Compatibility	
	TR120	72 72 60% 8 8 9 1000 9 1000 1000 1000	Yes	✓			Color Touchscreen Temp. Override,	✓	✓		
	TR120-H	S many S forms Sum ton to tone (2005)		✓	$\checkmark$		Setpoint, Fan	✓	✓	Stryker	
	TR75			✓				✓	✓	Spyder Classic Spyder Model 5	
Sylk-Enabled Zio Wall Modules	TR75-H	12 13 13 13 13 13 13 13 13 13 13 13 13 13	Yes	✓	✓		Temp. Override, Setpoint, Fan	✓	✓	CIPer Model 30	
Mod	TR71			✓				✓			
Vall	TR71-H			$\checkmark$	✓			✓			
jo v	TR42			✓							
Z þa	TR42-H	72.		$\checkmark$	$\checkmark$		Temp. Override,				
ablo	TR42-CO2		Yes	✓		✓	Setpoint, Fan	N/A	N/A		
ᄪ	TR42-H-C02			$\checkmark$	✓	✓				Spyder Classic	
Syll	TR40	turque.								Spyder Model 5	
	TR40-H			✓	✓		N. 1 . 6	A1 (A	A1 (A	CIPer Model 30	
	TR40-C02		No	✓		✓	No Interface	N/A	N/A		
	TR40-H-C02			✓	✓	✓					

 $<sup>{}^\</sup>star \text{For accessing virtually any point in the controller, balancing from wall module, etc.}$ 

	Model N	umber		Sen	sor Type					
	Honeywell Wall Module Model	Replaces Honeywell Model	Sensor Element Type	Temp	Humidity	Selectable Setpoint Adjustment 55° to 85°F, 13° to 30°C or Relative (- to +)	Occupied Override	LON Jack	Fan Switching	Comments
	TR21	T7770A1006	20K ohms non-linear	✓						
	TR21-A	T7770A3002	10K ohms non-linear for averaging only	✓						
_	TR21-H	N/A		✓	✓			$\checkmark$		
tro	TR21-J	T7770A2004		✓				$\checkmark$		
ride Cor	TR22	T7770B1004 T7770B1020 T7770B1046		✓		✓		✓		
Temperature, Humidity and Override Control	TR23	T7770C1002 T7770C1028 T7770C1044		✓		✓	✓	✓		
īţ.	TR23-H	N/A	20K ohms non-linear	$\checkmark$	✓	✓	✓	$\checkmark$		
mid	TR23-KL	N/A		$\checkmark$		$\checkmark$	✓	$\checkmark$		Knobs not included
로	TR23-H-KL	N/A		✓	✓	✓	✓	$\checkmark$		
ure	TR24	T7770D1000		✓			✓	$\checkmark$		No Honeywell logo
erat	TR22-F5	N/A		✓		✓		$\checkmark$	5 position	
dwe	TR23-F3	T7770E1023		✓		✓	✓	$\checkmark$	3 position	Not for use with T7350
ř	TR23-F5	T7770F1005		✓		✓	✓	$\checkmark$	5 position	
	KNOB-F	N/A	N/A	N/A	N/A	For use on TR23	N/A	N/A	N/A	Replacement Knob (F°)
	KNOB-O	N/A	N/A	N/A	N/A	For use on TR23	N/A	N/A	N/A	Replacement Knob +/-
	C7772A1004	N/A	20K ohms	✓						No Honeywell logo
	C7772A1012	N/A	non-linear	✓						With Honeywell logo

	Model Number	Sens	or Type			
	Honeywell TR20 Wireless Sensor	Temp	Humidity	Selectable Setpoint Adjustment 55° to 85°F, 13° to 30°C or Relative (- to +)	Occupied Override	Comments
	TR21-WK	✓				Includes one prebound sensor and receiver.
mperature ty Sensors*	TR21-WKU	✓				Includes one prebound sensor and receiver. No Honeywell logo.
pera	TR23-WK	$\checkmark$		✓	✓	Includes one prebound sensor and receiver.
īgi Tē	TR23-WKU	✓		✓	✓	Includes one prebound sensor and receiver. No Honeywell logo.
Hum	TR21-WS	$\checkmark$				Sensor only. For replacement. Requires a wireless receiver.
Wire and I	TR23-WS	$\checkmark$		✓	✓	Sensor only. For replacement. Requires a wireless receiver.
	WRECVR					Wireless receiver only. For replacement. Requires a wireless sensor.

<sup>\*</sup> Compatible controllers include Spyder, Stryker, CIPer and non-Honeywell controllers with remote setpoint. Compatible thermostats include T7350, T7351, TB8575 thermostats and non-Honeywell thermostats with remote setpoint.

	Part Number	Sensing Element	Description	Temperature Range	Use With
	50021579-001		Standard temperature probe	-40° to 350° F (-40° to 177° C)	
	T775-SENS-WR		Water-resistant probe with 5-ft. leads	-40° to 270° F (-40° to 132° C)	
	T775-SENS-WT		Water-tight probe with 6-ft. leads	-40 t0 270 F (-40 t0 132 C)	
	T775-SENS-OAT	1097 ohms at 77° F	Outdoor air temperature sensor	-40° to 158° F (-40° to 70° C)	
	T775-SENS-STRAP	11 -	Strap-on	-40° to 250° F (-40° to 121° C)	
T775	C7031D2003		5-in. immersion sensor with wiring box (well included, 50001774-001) $$	-40° to 350° F (-40° to 177° C)	All T775
11	C7031B2005		6-in duct with wiring box	-40° to 250° F (-40° to 121° C)	Series 2000 models
	C7031J2009		12-in. duct averaging sensor with four elements with wiring box	40° to 180° F (4° to 82° C)	
	C7046D1008		8-in. duct probe with mounting flange	40° to 150° F (4° to 66° C)	
	C7100D1001	1097 ohms at 77° F	12-in. flat response, duct averaging sensor with flange	40° to 220° F (4° to 104° C)	
	C7130B1009		Room mount sensor	-40° to 100° F (-40° to 38° C)	
	C7170B1000		3/8-in. diameter temperature probe	-40° to 250° F (-40° to 121° C)	







T775-SENS-WT







	Part Number	Sensing Element	Temperature Range	Insertion Length	Туре	Mounting & Application
JADE onomizers	C7400S1000	Sylk Temperature & Humidity	-40° to 150° F (-40° to 66° C)	N/A*	Duct - Temp + Hum Sensor	Outdoor, return, discharge air sensor for Jade Economizer, LCBS, CIPer 30, Spyder Classic, Spyder model 5 and Stryker Controllers
Ec	C7250A1001	20K NTC	-40° to 150° F (-40° to 66° C)	N/A*	Duct - Temp Sensor	Outdoor, mixed dry bulb sensor

# **GENERAL TEMPERATURE SENSORS**



C7041B



C7041D



C7041J



C7041R



C7041F



TB-WALL

C7021B2003   C7021B2003   C7021B2005   C7023B2003   C7023B2003   C7023B2003   C7023B2003   C7023B2005   C70		Part Number	Sensing Element	Resistance	Operating Range	Mounting and Application	
C702182013   C702182003   C702182000   C702182018   C7776A1040   C702382005   C702382005   C702382003   C702382003   C702382000   C70		C7021B2005					
10		C7021B2013				e e e e e e e e e e e e e e e e e e e	
10		C7021C2003				ū	
12 duct averaging flexible copper   240° to 250° F   340° to 250° F   34				10K ohms NTC	-40° to 250° F	ū	
Total Field   Page		C7021R2000	10K ohms NTC Type II				
TOTALIDIDE   TOTALIDID   TOTALIDIDE   TOTALIDIDE   TOTALIDID   TOTALIDID   TOTALIDIDE   TOTALIDID   T							
C7776A1D40   C702382005   C702382005   C702382005   C702382000   C702320000   C702382000   C702382000   C702320000   C70						0 0	
TOTO					45° to 99° F	_	
10   10   10   10   10   10   10   10							
10   10   10   10   10   10   10   10					-40° to 250° F	ū	
10				10K ohms NTC			
Total						5	
TOTO-182018   C7778A1006			10K ohms NTC Type III				
1999   1999							
10   10   10   10   10   10   10   10							
TOP	ا ب				45° to 99° F		
Total Part   Tot							
Total Part   Tot	š					<u> </u>	
Total Part   Tot	걸						
20K ohms NTC at 77°F   20K ohms NTC at 77°F   24° to 99° F   24° to 150° F   20K ohms NTC at 77°F   22.8K ohms NTC   22.8K	۵				-40° to 250° F		
C774R2018   C7770A1040   C7770A1040   C7770A1040   C7770A1040   C7770A1040   C7770A1040   C7770A1040   C7046B1008   C7100D1101   C7100A1015   C7100C1003   C7046B1004   C7046A1038   C7046A1038   C7046A1038   C7046A1030   C7150B1004   C7046B1010   C710B10103   C702A10010   C702B1004   C702B100			20K ohms NTC			5 5 5	
C7770A1006   C7770A1006   C7770A1000   C7046D1008   PT1000   D704 A5° to 99° F   C7040C1001   C7040D1015   PT3000   D704 A5° to 99° F   C7040C1001   D7040D1015   PT3000   D7040D1015   PT3000   D7040D1015   PT3000   D7040D1015   PT3000   D7040D1015				at //°F			
10   10   10   10   10   10   10   10							
C7746B1008   C7746B1008   C7046B1008   C7046B1008   C704B1003   C704B1004   C707B1004					45° to 99° F		
C710011001		C7770A1040					
Pricat 77°F   40° to 250° F   13° duct (Averaging)   13° duct (Ave		C7046D1008	DT4 000	1,097K ohms	(100 t 1500 5	8" duct (Discharge probe w/flange)	
C7100C1003		C7100D1001	P11000		40° to 150° F		
Transport   Tran		C7100A1015	DT2000	3,484K ohms	(100 to 2200 F	13" duct (Averaging)	
C7046A1038   C7046C1000   C7150B1004   C7046B1010   C7150B1004   C710B1013   C710B1013   C710B1013   C710B1013   C710B1013   C7021B2001   C7021B2001   C7023B2001   C7023B2001   C7041B2005   C7041B2005   C7041B2006   C704B1014   C777ZE1004   C777ZE100		C7100C1003	P13000	PTC at 77°F	40° to 220° F		
Total Content		C7046A1004				8" duct w/flange	
C7046C1000 C7150B1004 C7046B1010 C7046B1010 C7046B1010 C7021B2001 C7021B2001 C7021B2005 C7023B2005 C7023B2005 C7041B2001 C7041K2005 C7041B2009 C7041B2009 C7041B2009 C7041B2009 C7041B2006 C7041B2004 C7041B2006 C7041B2006 C7041B2006 C7041B2006 C7041B2006 C7041B2004 C7041B2006		C7046A1038	OV alama NTC	3K ohms NTC	40° to 150° F	12" duct w/flange	
C7046B1010   C7100B1013   22.8K ohms NTC   22.8K ohms NTC   A0° to 150° F   13° duct (Averaging)		C7046C1000	3K ONMS INTC	at 77°F		8" duct discharge w/flange	
Total		C7150B1004			40° to 250° F	Duct (internal)	
Total   Tota		C7046B1010				6" Zone (Discharge w/flange)	
Total   Tota		C7100B1013	22.8K ohms NTC		40° to 150° F	13" duct (Averaging)	
Tok ohms NTC Type   I		0.10051010		at //ºF		20 ddot ( Woldging)	
C702182005   C702302001   C702382005   C704102001   C704182005   C704182005   C704102001   C704182006   C70		C7021D2001	10K ohms NTC Type II			6" w/wiring enclosure, use well 50001774-001	
C7041D2001   C7041K2005   20K ohms NTC   at 77°F   at 77°F   C7021F2009   10K ohms NTC Type II   C7023F2009   10K ohms NTC Type III   C7023F2009   10K ohms NTC Type III   C7072F1004   C7772F1004   C7772F1012   C7021P2004   TB-WALL-1014   TB-WALL-0VR-1014   C7772G1004   C7772G	.	C7021K2005	TOROLLIS MIC Type II	at 77°F		Strap-on pipe sensor with wiring enclosure	
C7041D2001   C7041K2005   20K ohms NTC   at 77°F   at 77°F   C7021F2009   10K ohms NTC Type II   C7023F2009   10K ohms NTC Type III   C7023F2009   10K ohms NTC Type III   C7072F1004   C7772F1004   C7772F1012   C7021P2004   TB-WALL-1014   TB-WALL-0VR-1014   C7772G1004   C7772G	ţ	C7023D2001	10K ohms NTC Type III		-/10° to 250° F	6" w/wiring enclosure, use well 50001774-001	
Transport   Tran	\$	C7023K2005	TOR OTHER STATE Type III	at 77°F	-40 (0250 1	Strap-on pipe sensor with wiring enclosure	
True		C7041D2001	20K ohms NTC			6" w/wiring enclosure, use well 50001774-001	
TR29+SP3000-2   TOK ohms NTC Type III   TOK ohms NTC Type III   TR29+SP3000-2   TOK ohms NTC Type III   TOK ohms NTC Type III   TOK ohms NTC Type III   TOK ohms NTC at 77°F   TOX oh		C7041K2005	ZOR OHIHS IVIC	at 77°F		Strap-on with wiring enclosure	
TR29+SP3000-2   TOK ohms NTC Type III   TOK ohms NTC Type III   TR29+SP3000-2   TOK ohms NTC Type III   TOK ohms NTC Type III   TOK ohms NTC Type III   TOK ohms NTC at 77°F   TOX oh		C7021F2009	10K ohms NTC Tyne II	10K ohms NTC			
C7041F2006   20K ohms NTC   20K ohms NTC at 77°F   Conduit						Outdoor weatherproof connects to 1/2"	
10K ohms NTC Type II	蕇	C10231 2003	TOK OTHERS IN TO Type III		-40° to 158° F		
10K ohms NTC Type II	δ	C7041F2006	20K ohms NTC			Somanic	
10K ohms NTC Type II				acri			
TB-WALL-1014   TB-WALL-OVR-1014   TB-WALL-OVR-101		C7772F1004			45° to 99° F	Flush wall mount, without logo	
TB-WALL-1014 TB-WALL- OVR-1014 C7772G1004 C7772G1012 C7023P2004 C7772A1004 C7772A1002 C7041P2004 C7730B1009 PT1000 PT1000 1,097 Ohms PTC at 77°F TR29 + SP3000-2 SP3000-2  SP3000-2  32° to 122° F Wall sensor Flush wall mount, with override  45° to 99° F Flush wall mount, with logo Small metal button sensor Flush wall mount/with logo Flush wall mount/with logo Small metal button sensor Flush wall mount/with logo Small metal button sensor Flush wall mount/with logo Flush wall mount/with logo Flush wall mount/with logo Flush wall mount for 250° F Wall sensor  45° to 99° F Flush wall mount for 250° F Wall sensor Flush wall mount, without logo Flush wall mount for 250° F Wall sensor Flush wall mount, without logo Flush wall mount for 250° F Wall sensor Flush wall mount, without logo Flush wall mount for 250° F Wall sensor Flush wall mount, without logo Flush wall mount for 250° F Wall sensor Flush wall mount, without logo Flush wall mount for 250° F Wall sensor Flush wall mount, without logo Flush wall mount for 250° F Flush wall mount for 250° F Flush wall mount for 250° F Flush wall mount, without logo Flush wall mount, without logo Flush wall mount, without logo Flush wall mount for 250° F Flush wall mount for 250° F Flush wall mount, without logo Flush wall mount for 250° F Flush wall mount for		C7772F1012			45° to 99° F	Flush wall mount, with logo	
TB-WALL-1014   TB-W		C7021P2004	10K ohms NTC Type II		-40° to 250° F	Small metal button sensor	
TB-WALL-OVR-1014   TR-WALL-OVR-1014   TR-WALL-OVR				10K ohms NTC	32° to 122° F	Wall sensor	
Vival   Viva					32° to 122° F	Wall sensor with override	
C7772A1012							
C7772A1012	Ę		101/ - har - NTCT		45° to 99° F	_	
C7772A1012	ŝ		10K ohms NTC Type III		//OO - OFOO F	, 3	
C7772A1012	all				-40° to 250° F		
C7041P2004 20K ohms NTC at 77°F 40° to 250° F 3mall mount/with logo 5mall metal button sensor 5mall mount/with logo 5mall metal button sensor 5mall metal button sensor 6mall mount 7m29 + SP3000-2 3,484 ohms PTC at 77°F 40° to 250° F 7m29 + SP3000-2 3,484 ohms PTC at 77°F 40° to 250° F 7m29 + SP3000-2 3,484 ohms PTC at 77°F 40° to 250° F 7m29 + SP3000-2 30K ohms NTC 3mall mount 7m3 to 250° F 7m29 + SP3000-2 3mall metal button sensor 6mall mount/with logo 5mall metal button sensor 7m29 + SP3000-2 3,484 ohms PTC at 77°F 40° to 250° F 7m29 + SP3000-2 3,484 ohm	≩		201/ - 1 NITO	20K ohms NTC	45° to 99° F	3	
C7130B1009 PT1000 1,097 Ohms PTC at 77°F -40° to 100° F TR29+SP3000-2 SP3000-2 3,484 ohms PTC at 77°F -40° to 250° F  C7021N2001 10K ohms NTC Type III C7023N2001 10K ohms NTC Type III at 77°F -40° to 250° F  C7041N2020 20K ohms NTC 20K ohm			ZUK ohms NTC		/100 to 0500 5	3	
TR29+SP3000-2 SP3000-2 3,484 ohms PTC at 77°F -40° to 250° F  C7021N2001 10K ohms NTC Type II c7023N2001 10K ohms NTC Type III at 77°F -40° to 250° F  C7041N2020 20K ohms NTC		C7041P2004		4 007 01	-40° to 250° F	Small metal button sensor	
TR29 + SP3000-2 SP3000-2 3,484 ohms PTC at 77°F -40° to 250° F  C7021N2001 10K ohms NTC Type II 10K ohms NTC Type III 20K ohms NTC at 77°F -40° to 250° F  C7021N2001 10K ohms NTC Type III 20K ohms NTC at 77°F -40° to 250° F  Probe Sensor with 6' Lead 20K ohms NTC 2		C7130B1009	PT1000		-40° to 100° F		
TR29 + SP3000-2 SP3000-2 3,484 ohms PTC at 77°F -40° to 250° F  C7021N2001 10K ohms NTC Type II 10K ohms NTC Type III at 77°F -40° to 250° F  C7023N2001 10K ohms NTC Type III 20K ohms NTC at 77°F -40° to 250° F  Probe Sensor with 6' Lead 20K ohms NTC 2						Wall mount	
C7021N2001 10K ohms NTC Type II 10K ohms NTC Type III at 77°F		TR29 + SP3000-2	SP3000-2		-40° to 250° F		
C7023N2001 10K ohms NTC Type III at 77°F -40° to 250° F Probe Sensor with 6' Lead 20K ohms NTC 20K ohms NTC				at 11°F			
C7023N2001 10K ohms NTC Type III at 77°F -40° to 250° F Probe Sensor with 6' Lead 20K ohms NTC 20K ohms NTC	<u>.</u> _	C7021N2001	10K ohms NTC Type II	10K ohms NTC			
-40° to 250° F Probe Sensor with 6' Lead  20K ohms NTC at 77°F	₹.					5	
\$ C7041N2020 20K ohms NTC 2UK ohms NTC at 77°F	ate	CIOZSINZUUI	TOMORIUS INTO Type III		-40° to 250° F	Probe Sensor with 6' Lead	
	≩	C7041N2020	20K ohms NTC	at 77°F			

NOTE: 20K ohms NTC sensors are used with Excel 10, 15, 50, 100 and 500. See controller product data sheets for details. PT1000 sensors are used with Excel 15, 100, 500, and 600. See controller product data sheets for details. PT3000 sensors are used on certain Excel and Microcell products. See controller product data sheets for details. 3K ohm NTC sensors are used on W7100, W7459, W7215, W7212 and all economizer modules. 10K ohms NTC Type II sensors are used with TB7600, TB7300, and TB7600 Series communicating thermostats. 10K ohms NTC Type III sensors are used with WEBs-AX I/O Modules.

# **GENERAL TEMPERATURE SENSORS**

	Part Number	Sensing Element	Temperature Range	Insertion Length	Туре	Mounting & Application
Other Temp Sensors	TR29 + SP3000-2	3,484 ohms PTC at 77° F	-40° to 100° F (-40° to 38° C)	N/A	Enclosure + Sensor	Wall mount
	C7130B1009	1,097 ohms PTC at 77° F	-40° to 100° F (-40° to 38° C)	N/A	Enclosure + Sensor	Wall mount

<sup>\*</sup> May be used with Duct Mounting Kit- Part # 50053060-001

# **HUMIDITY AND DEW POINT SENSORS**

	Part Number	Output Signal	RH Accuracy	Mounting & Application	Voltage Supply	Temp Sensor	Use With	Insertion Length
	H7725A2010			Wall			T7350, H775, XL50,	
	H7725B2006			Duct		20K ohm at 77° F	XFC, W750B/C, W7753, W7760A/C, W7761, CIPer 30, Spyder Classic, Spyder model 5, Compact VAV and Stryker Controllers	7.5" - "B" model only
ะ	H7726A2020		± 2% from 20-95% RH	Wall				N/A
<b>Temperature Sensors</b>	H7726B2024	Selectable 4-20mA, 0-10Vdc, or 0-5Vdc		Duct		1097 ohm at 77°F	Excel 15, Excel 10, T7350, T775 Series 2000, CIPer 30, Spyder Classic, Spyder model 5, Compact VAV and Stryker Controllers	7.5" – "B" model only
era	H7735A2012			Wall	18-40 VDC/ 18-28 VAC			
emp	H7735B2018		± 3% from 20-95% RH	Duct		20K ohm at 77° F	T7350, H775, XL50, XFC, W750B/C.	7.5" - "B" model only
Humidity and T	H7735C2015			Outdoor			W7753,W7760A/C, W7761, CIPer 30, Spyder Classic, Spyder model 5, Compact VAV and Stryker Controllers	
٦	H7736A2022			Wall			Excel 15, Excel 10, T7350,	N/A
Ĭ	H7736B2026			Duct		1097 ohm at 77°F	T775 Series 2000 , CIPer 30, Spyder Classic, Spyder model 5, Compact VAV and Stryker Controllers	7.5" - "B" model only
	H7655A1001	0-10 VDC FIXED	5%	Wall	16-40 VDC/16-30 VAC	None	Any controller that accepts 0-10 Vdc input	



H77 Series Wall Mount



H77 Series Duct Mount



H77 Series Outdoor Mount



H7655A



	Part Number	Output	Switch	Hysteresis
Dew Point Sensors	HSS-DPS	Potential-free relay with changeover contact	RH>90% ± 3% contact open; RH < 90% ± 3% closed	5% RH

# **IAQ SENSORS**



C7263



C7355A1050

	Part Number	Туре	Output Signal	Display Screen	Mounting
	C7233A1008	CO2		Yes	Wall
	C7233A1016	CO2	0/2 - 10VDC or 4 - 20mA with one adjustable SPST relay output	No	Wall
	C7233A1024	CO2	,		Wall (Unbranded)
s	C7263A1008	CO2	0/2 - 10VDC or 0/4 - 20mA with one adjustable SPST relay output and 20K ohm NTC temperature sensor		Wall
	C7232B1006	CO2	0/2 - 10VDC or 4 - 20mA with one adjustable SPST relay output		Duct (8" insertion length)
IAQ Sensors	C7232B1014	CO2			Duct (8" insertion length)
S C	C7363A1017	PM2.5			Wall
₹	C7363B1018	PM2.5	4-20mA, 0-5/10VDC	No	Duct
	C7363C1019	PM2.5		No	Outdoor
	C7364A1016	TVOC	4.22.4.2.5.40.70.2	No	Wall
	C7364B1014	TVOC	4-20mA, 0-5/10VDC, 3-step	No	Duct
	C7355A1050	Temp, Hum, CO2,		No	Wall
	C7355B1052	TVOC, PM2.5	RS485/RTU (Modbus)	No	Duct

NOTE: 20K ohms NTC sensors are used with Excel 10, 15, 50, 100 and 500. See controller product data sheets for details. PT1000 sensors are used with Excel 15, 100, 500, and 600. See controller product data sheets for details. PT3000 sensors are used on certain Excel and Microcell products. See controller product data sheets for details. 3K ohm NTC sensors are used on W7100, W7459, W7215, W7212 and all economizer modules. 10K ohms NTC Type II sensors are used with TB7600, TB7300, and TB7600 Series communicating thermostats. 10K ohms NTC Type III sensors are used with WEBs-AX I/O Modules.

# **CURRENT SENSORS**



MCS



	Model Number	Trip Point	Core Type	Max. Current	Application
	MCS-NO-A-50A	Adjustable, 0.75-50FLA	Micro-Solid	50A	Standard
	CS-NO-F-50A	Fixed, 0.25A	Solid	50A	Standard
s	CS-NO-A-50A	Adjustable, 0.75-50FLA	Split	50A	Standard
Switches	CSP-NO-A-50A	Adjustable, 0.45-50FLA	Split	50A	Standard
ıt Sw	CSP-NO-A-100A	Adjustable, 0.50-100FLA	Split	100A	Standard
Current	CSP-NO-A-150A	Adjustable, 0.50-150FLA	Split	150A	Standard
ت _	CSP-NO-F-200A	Fixed, 0.35A	Split	200A	Standard
	CSP-NO-AVFD-150A	Automatically detected above 40 Hz	Split	150A	VFD Controlled Motor
	CSP-NO-AECM-200A	Adjustable, 0.25-3A Trip	Split	200A	ECM - Electronically Commutated Motor



	Part Number	Output Signal*	Selectable Ranges	Max Current	Core Type
Transmitters	CTP-5V-20A	0-5VDC	5/10/20A	100 A	
	CTP-10V-120A	0-10VDC	30/60/120 A	200 A	
	CTP-10V-200A	0-10VDC	Fixed 200A	200 A	Split
rrent	CTP-A-20A	4-20mA	5/10/20A	200 A	
Curr	CTP-A-120A	4-20mA	30/60/120 A	200 A	

 ${}^*\text{Note: 0-5/10 Vdc output (induced power) 4-20 mA output (12-30 Vdc power source required)}$ 



	Part Number	Coil Rating	Contact Type/Rating	
CR Relays	CR-24V-NO-10A	24VAC/DC, 15mA nom		
	CR-24V-NC-10A	24VAC/DC, 15mA nom	N.O. / 10A @ 125VAC	
	CR-12VDC-NO-10A	9-12VDC, 30mA nom	N.O.7 10A @ 125VAC	
	CR-12VDC-NC-10A	9-12VDC, 30mA nom		

# **PRESSURE SENSORS**







	Product Numbers	Configuration	Pressure Range	Output	LCD Display	Probe
				2.0.4.0.0		
Dry Pressure Sensors	P7645C0010X	Panel/DIN Rail	0-0.10 "W.C.		No	No
	P7645C0025X	Panel/DIN Rail	0-0.25 "W.C.	4-20 mA Loop		
	P7645C0100X	Panel/DIN Rail	0-1.0 "W.C.	·		
	P7645C0500X	Panel/DIN Rail	0-5.0 "W.C.			
	P7660P0500D	Panel/DIN Rail	0.1/0.25/2.5/5 "W.C.		Yes	
	P7660P0500X	Panel/DIN Rail	0.1/0.25/2.5/5 "W.C.		No	
	P7660P1000D	Panel/DIN Rail	1.0/2.5/5/10 "W.C.		Yes	
	P7660P1000X	Panel/DIN Rail	1.0/2.5/5/10 "W.C.	Universal	No	
	P7660D0500D	Duct/Panel/DIN Rail	0.1/0.25/2.5/5 "W.C.		Yes	
	P7660D0500X	P7660D0500X Duct/Panel/DIN Rail			No	Yes
	P7660D1000D	Duct/Panel/DIN Rail	1.0/2.5/5/10 "W.C.		Yes	162
	P7660D1000X	Duct/Panel/DIN Rail	1.0/2.5/5/10 "W.C.		No	

	Part Numbers	Max Sensor Pressure	1% Accuracy	2% Accuracy	Cable Length (Feet)
Wet Pressure Sensors	PWTB50-X	50 PSIG 345 kPa	20/25/30/40/50 PSID 138/172/207/276/345 kPa	10/15 PSID 69/103 kPa	Installer Provided*
	PWTB50-PC-9				Plenum — 9 feet
	PWTB50-AC-9				Armor — 9 feet
	PWTB100-X	100 PSIG 689 kPa	40/50/75/100 PSID 276/345/517/689 kPa	15/20/25/30 PSID 103/138/172/207 kPa	Installer Provided*
	PWTB100-PC-9				Plenum — 9 feet
	PWTB100-AC-9				Armor — 9 feet
	PWTB250-X	250 PSIG 1724 kPa	75/100/125/150/250 PSID 517/689/862/1034/1724 kPa	30/40/50 PSID 207/276/345 kPa	Installer Provided*
	PWTB250-PC-9				Plenum — 9 feet
	PWTB250-AC-9				Armor — 9 feet

<sup>\*</sup>Shielded cable provided by installer either plenum rated or installed in conduit.



PWTB without Cable



PWTB with Plenum Cable



PWTB with Armoured Cable

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