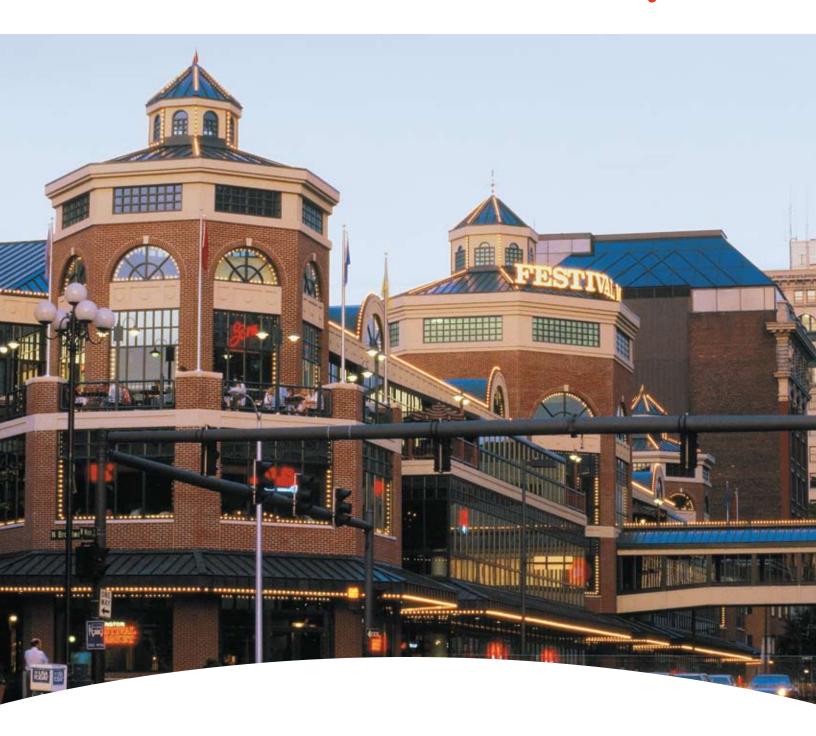
## **Sensors Product Overview**

# Honeywell



Reliable And Accurate Honeywell Sensors

Honeywell's complete line of sensors cover all necessary control applications and mounting options, making Honeywell your best sensor source. Contractors and building owners count on Honeywell sensors for the latest technology, affordability, ease-of-installation, accurate performance and reliability.

#### **Temperature Sensors**

No matter what control application or mounting option you can imagine, Honeywell offers a temperature sensor that fits your needs. All sensors feature solid-state components and are impervious to dust or dirt. Honeywell offers a temperature sensor for every application and installation.



- Averaging
- Outdoor
- Duct Mount
- Strap-On
- Immersion
- Wall Mount

#### **Humidity Sensors**

Honeywell humidity sensors are highly accurate, stable humidity transducers designed for use with HVAC controllers, thermostats and direct digital controllers.



The ceramic technology humidity sensor is not affected by condensation, is highly resistant to corrosion and provides excellent long-term stability. Honeywell humidity sensors offer multiple output options for compatibility with a variety of controllers. They are compact, enclosed in a rugged, wall-mounted plastic case and are lightweight for easy mounting.

Applications: Room comfort, rooftop units, air handlers, air conditioning and anywhere relative humidity is tightly controlled.

#### **Dew Point Sensors**

The Honeywell dew point sensor measures the relative humidity prevailing directly at a chilled. The dew point sensor is suitable for mounting on flat and round surfaces.



*Applications:* Used to regulate cooling performance, switch cooling systems ON and OFF, and signal if the temperature is approaching the dew point.

#### CO<sub>2</sub> Sensors

The Honeywell carbon dioxide (CO<sub>2</sub>) sensor is used in ventilation and air conditioning systems to control the amount of fresh outdoor air supplied to maintain acceptable levels of CO<sub>2</sub> in the space. The Honeywell CO<sub>2</sub> sensor includes state-of-the-art non-dispersive infrared (NDIR) technology plus a corrosion-free-designed sensing chamber that provides accurate and stable CO<sub>2</sub> readings for years, avoiding costly and inconvenient re-calibration. The Honeywell CO<sub>2</sub> sensor's patented gold-plated sensing chamber eliminates a primary source of dirt. This sensor has a life expectancy of 15 years, and typically requires no calibration during its lifetime. Paired with a Honeywell economizer, the Honeywell CO<sub>2</sub> sensor can triple your year-round savings over "cooling only" economizing and deliver 5 to 10 times the savings compared to conventional temperature economizer changeover.\*

Applications: Demand controlled ventilation.

\*Energy usage modeling provided by Michael J. Brandemuehl, Director of the Joint Center for Energy Management, University of Colorado, Boulder and James E. Braun, Associate Professor at the Ray W. Herrick Laboratories, Purdue University.

#### **Current Sensors And Switches**

Honeywell current switches can detect whether current is flowing and then transmit the status to a building management system, DDC or PLC controller. Honeywell current transmitters



measure the level of operating current and can be used to monitor equipment or drive other equipment with a modulating output. Both current switches and transmitters can be used to detect a motor failure, belt loss or slippage, or a mechanical failure. The quick signal allows for service actions to be taken immediately to prevent further damage and reduce downtime. Because Honeywell current sensors are rated at up to 250 amps, you can meet high-amp applications without the need for a transformer. And Honeywell offers current switches with a very low trip point of 0.20 amps. All models are easy to install and service. A built-in DIN rail mounting flange makes installation a snap. Red and green LEDs show operating status at a glance.

Applications: Monitor fan and pump status, motors, compressors, over/under loads and electrical equipment for proper operation. A change in the operating current may indicate a motor failure, belt loss/slippage or mechanical failure.

#### **Enthalpy Sensors**

Honeywell enthalpy sensors are used with Honeywell economizer logic modules. Enthalpy sensors permit the use of outdoor air as the first stage of cooling in HVAC



systems by sensing both the temperature and humidity of outdoor air. As the enthalpy of outdoor air increases, the outdoor air damper closes to a preset minimum position. As enthalpy of outdoor air becomes low, the outdoor air damper opens to reduce the cooling load in the building. Dry bulb (temperature) sensors have 8 selectable changeover setpoints that allow the operator to determine the temperature when outdoor air can be used for reducing the cooling load. The changeover deadband is ± 1F providing accurate changeover control and maximum energy savings in dry climates. Dry bulb sensors can only be used as an outdoor sensor with an economizer; differential dry bulb does not work with these sensors. The long-lasting solid-state sensing elements are accurate and stable over time. Maximum economizer savings is achieved when two enthalpy sensors are connected to one economizer logic module for differential enthalpy changeover control. Honeywell enthalpy sensors are enclosed in a UL-rated, rugged, corrosion-resistant, glass-fiber reinforced plastic duct-mount case and are compact and lightweight, allowing for easy mounting in an HVAC rooftop unit.

*Applications:* Economization especially for use with the W7212 economizer and building automation controllers.

#### **Differential Pressure Sensors**

Honeywell differential pressure sensors provide reliable, accurate measurement and control. All models offer field selectable 4-20 mA, 0-5 Vdc and 0-10 Vdc outputs, uni- and bi-directional output, push button



and digital input to zero the output and configurable pressure ranges. These features and more provide excellent system compatibility and increased flexibility allowing you to stock fewer models.

The P7640 dry media, low differential pressure sensors feature a temperature-compensated transmitter with an advanced ceramic capacitive sensing element for stable, reliable, and maintenance-free operation.

Applications: Measure extremely low pressure such as building/room pressure, air flow, variable air volume, filter status and duct pressure. Ideal for clean rooms, hospitals, fume hoods and computer rooms.

The PWT Series wet differential pressure sensors incorporate microprocessor profiled sensors for exceptional accuracy and reliability. Select models are available with a preassembled bypass valve for easy installation and maintenance.

*Applications:* Monitor and control of pump differential pressure, chiller/boiler differential pressure drop, and CW/HW system differential pressure.

#### **Accurate Performance**

Top-ranking accuracy in the industry allows for tighter control and added comfort within your building. Honeywell sensors are simple to use, simple to install and simply accurate.

#### **Proven Reliability**

With millions of sensors installed in the North American marketplace, Honeywell has the reliable performance your building engineers require. Honeywell sensors provide exceptional long-term monitoring and control of space ventilation.

# **Specify Honeywell Sensors And Save**

Honeywell sensors have always been competitively priced, and today Honeywell sensors continue to be one of the industry's best values. Add in the fact that their ease-of-installation increases your productivity and you'll see that Honeywell sensors are the smart, cost-effective choice.

### HUMIDITY, DEW POINT, CO2 and PRESSURE SENSORS



H7655B, H7625B, H7635B



C7600B, H7655A



C7232A







PWT250

Electronic H	lumidity Senso	ors, 0-100%	RH (some	with tempera	ature sen	sors)	
Part Number	Output Signal	RH Accu- racy	Mounting & Application	Voltage Supply	Temp Sensor	Use With	Insertion Length
H7625A1008		2%	Room				N/A
H7635A1006	Selectable	3%	Room			T7350, H775, XL50, XL500, XFC, W750B/C, W7753, W7760A/C, W7761	IN/A
H7625B1006	4-20 mA,	2%	Duct	18-36 Vdc or	20K ohm		
H7635B1004	0-10 Vdc, or	3%	Duct	24 Vac	at 77° F		7.5" "B" models only
H7655B1009	0-5 Vdc	5%	Duct				
H7635C1002		3%	Outdoor			Where outdoor is needed	
H7655A1001	0-10 Vdc	5%	Room	16-40 Vdc or		T7350, controllers that accept 0-10 Vdc input	
C7600B2008	2-10 Vdc		Wall Mount	16-30 Vac		H775, some XL controllers	N/A
C7600A1002	4-20 mA directly proportional	5% between 30-70% RH	Duct Mount	12-40 Vdc	None	W7600	14/1
C7600C1008	4-20 mA directly proportional	00 70 70 1111	Duct Mount	12-40 Vac		H775, W7600	

<b>Dew Point Sensors</b>			
Part Number	Output	Switch	Hysteresis
H7018A1003	Potential-free contact	RH > 90% contact open RH < 90% closed	-4 to 5% RH

Carbon Dioxid	Carbon Dioxide (CO <sub>2</sub> ) Sensors											
Part Number	Output Signal	Display Screen	Honeywell Logo	Mounting	CO <sub>2</sub> Range (accuracy)							
C7232A1008		Yes	Yes									
C7232A1016		No	Yes	Wall								
C7232A1024	0/2 to 10 Vdc or 0/4 to 20 mA w/	Yes	No	vvaii	0 to 2,000 ppm adjustable, +/- 30 ppm +/- 2% of reading at normal							
C7232A1032		No	No									
C7232B1006	one adjustable	Yes	Yes									
C7232B1014	SPST relay output	No	Yes	Duct	temperature and pressure							
C7232B1022		Yes	No	(8" insertion length)								
C7232B1030		No	No									
C7632A1004	0-10 Vdc (fixed)	No	Yes	Wall	0 to 0 000 nam fixed							
C7632B1002	0-10 Vdc (fixed)	No	Yes	Duct	0 to 2,000 ppm fixed							

Model	Mounting	Selectable W.C. Range	Display	Output	Supply Voltage	
P7640A1000		0 41 0 051 0 51 0 41	Yes			
P7640A1018	Donal	01", 025", 05", 0-1"	No			
P7640A1026	Panel	Panei	0.1" 0.25" 0.5" 0.10"	Yes		
P7640A1034		0-1", 0-2.5", 0-5", 0-10"	No	0-10 Vdc, 0-5 Vdc, and 4-20 mA	12-30 Vdc or 24 Vac	
P7640B1008		0 1" 0 05" 0 5" 0 1"	Yes			
P7640B1016	Duct	01", 025", 05", 0-1"	No			
P7640B1024	Duci	0.1" 0.05" 0.5" 0.10"	Yes	selectable		
P7640B1032		0-1", 0-2.5", 0-5", 0-10"	No			
P7640U1040	Linivaraal	01", 025", 05", 0-1" 0-2.5", 0-5", 0-10"	No			
P7640U1052	Universal	01", 025", 05", 0-1" 0-2.5", 0-5", 0-10"	Yes			

PWT Series Wet Differential Pressure Transducers										
Model Selectable Pressure Range Bypass Valve Assembly Ouput Supply Voltag										
PWT50	0-5, 0-10, 0-25, 0-50 psid	No								
PWT50-BP	0-5, 0-10, 0-25, 0-50 psid	Yes	0-10Vdc.							
PWT100	0-10, 0-20, 0-50, 0-100 psid	No	0-5Vdc, and	12-30Vdc						
PWT100-BP	0-10, 0-20, 0-50, 0-100 psid	Yes	4-20mA	or 24Vac						
PWT250	0-25, 0-50, 0-125, 0-250 psid	No	selectable							
PWT250-BP	0-25, 0-50, 0-125, 0-250 psid	Yes								





Enthalpy Sensor/Dry	Enthalpy Sensor/Dry Bulb (Temperature)								
Part Number	Part Number Sensor Output Operating Range Insertion Length								
C7400A1004	4-20 mA	32° to 125° F	N/A						
C7660A1000	4 or 20mA	32 10 125 F	IN/A						

C7660A

### CONTROLLER SPECIFIC TEMPERATURE SENSORS

	Part Number	Senso	or Type	Description
	Part Number	Temp	Humidity	Description
'der /Ik nced	TR70	~		Customizable, 2-wire, non-polarity sensitive, Sylk bus communicating wall module with network bus jack
Spy Sy Enha	TR70-H	~	~	and LCD panel.

	Model N	umber		Senso	or Type	Selectable Setpoint				
	Honeywell Wall Module Model	Replaces Honeywell Model	Sensor Element Type	Temp	Humidity	Adjustment 55° to 85°F, 13° to 30°C or Relative (- to +)	Occupied Override	LON Jack	Fan Switching	Туре
	TR21	T7770A1006	20K ohms non-linear	<b>✓</b>						
	TR21-A	T7770A3002	10K ohms non-linear for averaging only	~						
0	TR21-H	n/a		<b>V</b>	<b>/</b>			<b>V</b>		
8	TR21-J	T7770A2004		<b>/</b>				<b>/</b>		
pyder, T	TR22	T7770B1004 T7770B1020 T7770B1046		~		•		~		
100, 500, Spyder, T7350	TR23	T7770C1002 T7770C1028 T7770C1044	20K ohms	~		~	~	~		
ا ج	TR23-H	n/a	non-linear	<u> </u>	~	<b>V</b>	<b>V</b>	V		
,50,	TR23-N <sup>a</sup>	T7770C1051		<b>V</b>		<b>✓</b>	<b>V</b>	<b>/</b>		
,15,	TR24	T7770D1000		<b>/</b>			<b>&gt;</b>	<b>/</b>		
Excel 10,	TR22-F5 <sup>b</sup>	n/a		<b>V</b>		<b>✓</b>		<b>/</b>	5 position	
Ä	TR23-F3 <sup>b</sup>	T7770E1023		<b>V</b>		<b>✓</b>	<b>/</b>	~	3 position	
	TR23-F5 <sup>b</sup>	T7770F1005		<b>V</b>		<b>✓</b>	<b>&gt;</b>	~	5 position	
	C7772A1004	n/a	20 K ohms non-linear	~						No logo
	C7772A1012	n/a	20 K ohms non-linear	~						With Honeywell logo
	T7560A1018	n/a	20 K ohms non-linear	~		~	<b>/</b>	Optional	Yes	LCD Display white and blue
9	T7560A1042	n/a	20 K ohms non-linear	~		~	<b>V</b>	Optional	Yes	LCD Display all white
×	T7560B1016	n/a	20 K ohms non-linear	~	~	~	<b>V</b>	Optional	Yes	LCD Display white and blue
	T7560B1032	n/a	20 K ohms non-linear	~	~	V	~	Optional	Yes	LCD Display all white

<sup>&</sup>lt;sup>a</sup> No Honeywell Logo b Not for use with T7350











T7560A, B (all white)

T7560A, B (white/blue)

	Part Number	Sensing Element/Sensor Type	Color/Mounting	Features
	T7047C2007	1420 ohms	Taupe, new styling	
	T7047C2015	1420 ohms	Premier white, new styling	
l Si	T7047G2008	710 ohms	Taupe, new styling	Averaging only
afie	T7047G2016	710 ohms	Premier white, new styling	Averaging only
읦	T7147A2000	1420 ohms	Taupe, new styling	Override
A P	T7147A2018	1420 ohms	Taupe, new styling	Override, warmer, cooler
8	T7147G2015	710 ohms	Taupe, new styling	Override, averaging only
	T7147G2023	710 ohms	Taupe, new styling	Override, warmer, cooler, averaging only
	T7022A1010	1420 ohms	Duct mount	
	C7031G2014 <sup>a</sup>	PT3000	Outdoor mount	For use with T7350

<sup>&</sup>lt;sup>a</sup> For use with T7350 applications.

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



### GENERAL TEMPERATURE SENSORS

	Part Number	Sensing Element	Temperature Range	Insertion Length	Туре	Mounting & Application
<u></u>	C7150B1004	3K ohms NTC at 77° F	-40 to 110° F (-40° to 43° C)	N/A	Duct — Temp Sensor	Mixed or discharge air sensor
nomizer	C7650A1001	10-20 mA	40 to 110° F (4° to 43° C)	N/A	Duct — Temp Sensor	Dry-bulb temperature sensor
5	C7046A1004 3K ohms NTC at 77° F		40 to 150° F (4° to 66° C)	8 in.	Duct — Temp Sensor	Mixed or discharge air sensor
8	C7046A1038	3K ohms NTC at 77° F	40 to 150° F (4° to 66° C)	12 in.	Duct — Temp Sensor	Mixed or discharge air sensor
Ш	C7400A1004	4-20 mA	32 to 125° F (0° to 52° C)	N/A	Duct — Enthalpy Sensor	
			ı			
p Sensors	C7130A1001	3,484 ohms PTC at 77° F	-40° to 100° F (-40° to 38° C)	N/A		Wall mount
Other Temp	C7130B1009	1,097 ohms PTC at 77° F	-40° to 100° F (-40° to 38° C)	N/A		Wall mount

	Part Number	Sensing Element/ 20K ohms NTCb	Sensing Element/ PT1000°	Sensing Element/ PT3000 <sup>d</sup>	Resistance	Operating Range	Insertion Length	Mounting & Application
	C7041B2005	<b>V</b>			20K ohms NTC at 77° F	-40° to 250° F	6 in.	Duct with wiring enclosure
	C7041B2013	V			20K ohms NTC at 77° F	-40° to 250° F	12 in.	Duct with wiring enclosure
	C7041C2003	<b>V</b>			20K ohms NTC at 77° F	-40° to 250° F	18 in.	Duct with wiring enclosure
	C7770A1006	<b>V</b>			20K ohms NTC at 77° F	45° to 99° F	6.5 in.	Duct probe with flange
	C7046D1008		<b>V</b>		1,097 ohms PTC at 77° F	40° to 150° F	8 in.	Duct (Discharge)
	C7100D1001		<b>V</b>		1,097 ohms PTC at 77° F	40° to 220° F	13 in.	Duct (Averaging)
ᇦ	C7100C1003				3,484 ohms PTC at 77° F	40° to 220° F	13 in.	Duct (Averaging)
Duct Mount	C7100A1015			<b>V</b>	3,484 ohms PTC at 77° F	40° to 220° F	13 in.	Duct (Averaging)
≥	C7046A1004				3K ohms NTC at 77° F	40° to 150° F	8 in.	Duct (Discharge)
ă	C7046A1038				3K ohms NTC at 77° F	40° to 150° F	12 in.	Duct (Discharge)
	C7046B1010				22.8K ohms NTC at 77° F	40° to 150° F	6 in.	Zone (Discharge)
	C7046C1000				3K ohms NTC at 77° F	40° to 150° F	8 in.	Single point sensing
	C7100B1013				22.8K ohms NTC at 77° F	40° to 150° F	13 in.	Duct (Averaging)
	C7041J2007	<b>✓</b>			20K ohms NTC at 77° F	-40° to 250° F	12 ft.	Duct (Averaging) with wiring enclosure
	C7150B1004				3K ohms NTC at 77° F	-40° to 250° F	N/A	Duct (internal)
	C7041R2000	<b>✓</b>			20K ohms NTC at 77° F	-40° to 250° F	12 ft.	Duct flexible copper (Averaging)
	C7041R2018	<b>V</b>			20K ohms NTC at 77° F	-40° to 250° F	24 ft.	Duct flexible copper (Averaging)
	C7772A1004	<b>V</b>			20K ohms NTC at 77° F	45° to 99° F	N/A	Flush wall mount / no logo
ğ	C7772A1012	<b>V</b>			20K ohms NTC at 77° F	45° to 99° F	N/A	Flush wall mount / with logo
Wall Mount	C7130B1009		>		1,097 ohms PTC at 77° F	-40° to 100° F	N/A	Wall mount
Wal	C7130A1001			<b>/</b>	3,484 ohms PTC at 77° F	-40° to 100° F	N/A	Wall mount
	C7041P2004	<b>V</b>			20K ohms NTC at 77° F	-40° to 250° F	N/A	Small button sensor
Water	C7041D2001	<b>V</b>			20K ohms NTC at 77° F	-40° to 250° F	4 in.	With wiring enclosure, use well 50001774-001
Wa	C7041K2005	V			20K ohms NTC at 77° F	-40° to 250° F	N/A	Strap-on, with wiring enclosure
,								
Outdoor	C7041F2006	~				-40° to 250° F	N/A	Outdoor weatherproof, connects to 1/2" conduit

<sup>&</sup>lt;sup>b</sup> 20K ohms NTC sensors are used with Excel 10, 15, 50, 100 and 500. See controller product data sheets for details. <sup>c</sup> PT1000 sensors are used with Excel 15, 100, 500 and 600. See controller product data sheets for details. <sup>d</sup> PT3000 sensors are used on certain Excel and Microcell products. See controller product data sheets for details. **Note:** 3K ohm NTC sensors are used on W973, W7100, W7459, W7215, W7212 and all economizer modules.



7

	Part Number	Description	Core Type	Normally Open or Normally Closed	Trip Point	Operating Range	Output Switch Rating	LEDs
	CSS-O-F5-001	"Go/No Go" current switch	Solid	N/O	0.5 A	0-250 A	0.3 A at 200 Vac/Vdc	Red
	CSS-O-F1-001	"Go/No Go" current switch	Solid	N/O	0.2 A	0-250 A	0.3 A at 200 Vac/Vdc	Red
	CSS-C-F5-001	"Go/No Go" current switch	Solid	N/C	1.0 A	0-250 A	0.15 A at 300 Vac/Vdc	Red
	CSS-C-F1-001	"Go/No Go" current switch	Solid	N/C	0.5 A	0-250 A	0.15 A at 300 Vac/Vdc	Red
Se	CSS-O-A300-001	Adjustable current switch	Solid	N/O	1.0 A to 250 A	0-250 A	0.3 A at 200 Vac/Vdc	Red and green
Switche	CSS-O-A200-001	Adjustable current switch	Solid	N/O	0.5 A to 250 A	0-250 A	0.3 A at 200 Vac/Vdc	Red and green
	CSS-C-A300-001	Adjustable current switch	Solid	N/C	1.0 A to 250 A	0-250 A	0.15 A at 300 Vac/Vdc	Red and green
1	CSP-O-F15-001	"Go/No Go" current switch	Split	N/O	2.5 A	0-200 A	0.3 A at 200 Vac/Vdc	Red
urrent	CSP-O-F10-001	"Go/No Go" current switch	Split	N/O	1.5 A	0-200 A	0.3 A at 200 Vac/Vdc	Red
ರ	CSP-C-F15-001	"Go/No Go" current switch	Split	N/C	2.5 A	0-250 A	0.15 A at 300 Vac/Vdc	Red
	CSP-O-A300-001	Adjustable current switch	Split	N/O	3.0 A to 200 A	0-200 A	0.3 A at 200 Vac/Vdc	Red and green
	CSP-O-A200-001	Adjustable current switch	Split	N/O	2.0 A to 200 A	0-200 A	0.3 A at 200 Vac/Vdc	Red and green
	CSP-C-A300-001	Adjustable current switch	Split	N/C	3.0 A to 250 A	0-250 A	0.15 A at 300 Vac/Vdc	Red and green
	CSP-C-A200-001	Adjustable current switch	Split	N/C	2.5 A to 250 A	0-250 A	0.15 A at 300 Vac/Vdc	Red and green

	Part Number	Description	Core Type	Output	Current Range	Туре	Loop Powered	True RMS or average
	CTS-20-005-AVG-001	Loop powered current sensor	Solid	4-20 mA	0-5 A	Fixed	Yes	Average
	CTS-20-050-AVG-001	Loop powered current sensor	Solid	4-20 mA	0-10, 0-20, 0-50 A	Adjustable	Yes	Average
	CTS-20-250-AVG-001	Loop powered current sensor	Solid	4-20 mA	0-100, 0-200, 0-250 A	Adjustable	Yes	Average
	CTS-20-005-VFD-001	Loop powered current sensor	Solid	4-20 mA	0-5 A	Fixed	Yes	True RMS
	CTS-20-050-VFD-001	Loop powered current sensor	Solid	4-20 mA	0-10, 0-20, 0-50 A	Adjustable	Yes	True RMS
	CTS-20-250-VFD-001	Loop powered current sensor	Solid	4-20 mA	0-100, 0-200, 0-250 A	Adjustable	Yes	True RMS
	CTP-20-005-AVG-001	Loop powered current sensor	Split	4-20 mA	0-5 A	Fixed	Yes	Average
Transmitters	CTP-20-050-AVG-001	Loop powered current sensor	Split	4-20 mA	0-10, 0-20, 0-50 A	Adjustable	Yes	Average
ᄩ	CTP-20-200-AVG-001	Loop powered current sensor	Split	4-20 mA	0-100, 0-150, 0-200 A	Adjustable	Yes	Average
ans	CTP-20-005-VFD-001	Loop powered current sensor	Split	4-20 mA	0-5 A	Fixed	Yes	True RMS
Ę	CTP-20-050-VFD-001	Loop powered current sensor	Split	4-20 mA	0-10, 0-20, 0-50 A	Adjustable	Yes	True RMS
rrent	CTP-20-200-VFD-001	Loop powered current sensor	Split	4-20 mA	0-100, 0-150, 0-200 A	Adjustable	Yes	True RMS
Į,	CTS-05-050-VDC-001	Current sensors	Solid	0-5 Vdc	0-10, 0-20, 0-50 A	Adjustable	No	Average
	CTS-05-250-VDC-001	Current sensors	Solid	0-5 Vdc	0-100, 0-200, 0-250 A	Adjustable	No	Average
	CTS-10-050-VDC-001	Current sensors	Solid	0-10 Vdc	0-10, 0-20, 0-50 A	Adjustable	No	Average
	CTS-10-250-VDC-001	Current sensors	Solid	0-10 Vdc	0-100, 0-200, 0-250 A	Adjustable	No	Average
	CTP-05-050-VDC-001	Current sensors	Split	0-5 Vdc	0-10, 0-20, 0-50 A	Adjustable	No	Average
	CTP-05-250-VDC-001	Current sensors	Split	0-5 Vdc	0-100, 0-200, 0-250 A	Adjustable	No	Average
	CTP-10-050-VDC-001	Current sensors	Split	0-10 Vdc	0-10, 0-20, 0-50 A	Adjustable	No	Average
	CTP-10-250-VDC-001	Current sensors	Split	0-10 Vdc	0-100, 0-200, 0-250 A	Adjustable	No	Average





Solid Core

Split Core

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