

# HONEYWELL Sensors

# Honeywell

Sensing and Control



This page of product is compliant.

## HALL-EFFECT ROTARY POSITION SENSORS

### Features and Benefits:

- 12 M cycle product life
- Solid-state Hall-effect technology
- Rugged IP67-sealed package with integral connector
- Automotive-grade EMI/EMC testing, integrated reverse polarity, and short circuit
- Industry-standard AMP termination, 32 mm mounting pitch, North American and European pinout styles, and compact package
- Eight operating ranges up to 360°



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Sensing Range Angle	Supply Voltage (Vdc)	Output Type (Vdc)	Price Each		
						1	10	25
785-RTY060LVEAX	RTY060LVEAX	A	60° (±30°)	5	0.5 (left), 4.5 (right)	55.45	46.66	42.91
785-RTY060HVEAX	RTY060HVEAX	A	60° (±30°)	10-30	0.5 (left), 4.5 (right)	73.63	61.96	56.98
785-RTY060LVNAX	RTY060LVNAX	A	60° (±30°)	5	0.5 (left), 4.5 (right)	55.45	46.66	42.91
785-RTY060HVNAX	RTY060HVNAX	A	60° (±30°)	10-30	0.5 (left), 4.5 (right)	73.63	61.96	56.98
785-RTY090LVEAX	RTY090LVEAX	A	90° (±45°)	5	0.5 (left), 4.5 (right)	55.45	46.66	42.91
785-RTY090HVEAX	RTY090HVEAX	A	90° (±45°)	10-30	0.5 (left), 4.5 (right)	73.63	61.96	56.98
785-RTY090LVNAX	RTY090LVNAX	A	90° (±45°)	5	0.5 (left), 4.5 (right)	55.45	46.66	42.91
785-RTY090HVNAX	RTY090HVNAX	A	90° (±45°)	10-30	0.5 (left), 4.5 (right)	73.63	61.96	56.98
785-RTY120LVEAX	RTY120LVEAX	A	120° (±60°)	5	0.5 (left), 4.5 (right)	55.45	46.66	42.91
785-RTY120HVEAX	RTY120HVEAX	A	120° (±60°)	10-30	0.5 (left), 4.5 (right)	73.63	61.96	56.98
785-RTY120LVNAX	RTY120LVNAX	A	120° (±60°)	5	0.5 (left), 4.5 (right)	55.45	46.66	42.91
785-RTY120HVNAX	RTY120HVNAX	A	120° (±60°)	10-30	0.5 (left), 4.5 (right)	73.63	61.96	56.98
785-RTY180LVEAX	RTY180LVEAX	A	180° (±90°)	5	0.5 (left), 4.5 (right)	55.45	46.66	42.91
785-RTY180HVEAX	RTY180HVEAX	A	180° (±90°)	10-30	0.5 (left), 4.5 (right)	73.63	61.96	56.98
785-RTY180LVNAX	RTY180LVNAX	A	180° (±90°)	5	0.5 (left), 4.5 (right)	55.45	46.66	42.91
785-RTY180HVNAX	RTY180HVNAX	A	180° (±90°)	10-30	0.5 (left), 4.5 (right)	73.63	61.96	56.98
785-RTY360LVEAX	RTY360LVEAX	A	360° (±180°)	5	0.5 (left), 4.5 (right)	55.45	46.66	42.91
785-RTY360HVEAX	RTY360HVEAX	A	360° (±180°)	10-30	0.5 (left), 4.5 (right)	73.63	61.96	56.98
785-RTY360LVNAX	RTY360LVNAX	A	360° (±180°)	5	0.5 (left), 4.5 (right)	55.45	46.66	42.91
785-RTY360HVNAX	RTY360HVNAX	A	360° (±180°)	10-30	0.5 (left), 4.5 (right)	73.63	61.96	56.98

## INFRARED SENSORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Output Type	Collector-Emitter Breakdown Voltage (Vdc)	Power Dissipation	Rise/Fall (µs)	Price Each		
							1	10	50
<b>Reflective Sensors</b>									
785-HOA0708-001	HOA0708-001	B	Transistor	30	70	15	5.69	5.19	4.68
785-HOA0709-011	HOA0709-011	B	Darlington	15	70	75	5.79	5.27	4.75
785-HOA1180-002	HOA1180-002	C	Transistor	30	75	15	23.12	20.96	20.03
785-HOA1180-003	HOA1180-003	C	Darlington	15	75	75	17.44	14.64	13.33
785-HOA1397-002	HOA1397-002	D	Transistor	30	100	15	4.47	3.54	2.98
785-HOA1397-032	HOA1397-032	D	Darlington	15	100	75	4.46	3.63	3.05
785-HOA1404-002	HOA1404-002	E	Transistor	30	75	15	12.94	11.24	9.43
785-HOA1404-003	HOA1404-003	E	Darlington	15	75	75	20.44	18.53	17.69
785-HOA1405-001	HOA1405-001	F	Transistor	30	70	15	5.05	4.00	3.37
785-HOA1405-002	HOA1405-002	F	Transistor	30	70	15	5.03	4.05	3.42
785-HOA2498-002	HOA2498-002	G	Transistor	30	75	15	15.80	14.33	13.68
<b>Transmissive Sensors</b>									
785-HOA0890-L51	HOA0890-L51	H	Transistor	30V	100	15	9.29	8.42	8.04
785-HOA1870-031	HOA1870-031	I	Transistor	30V	100	15	12.37	11.21	10.71
785-HOA1872-013	HOA1872-013	J	Darlington	15V	100	75	8.21	7.44	7.11
785-HOA1873-012	HOA1873-012	K	Transistor	30V	100	15	4.51	4.10	3.71
785-HOA1874-012	HOA1874-012	M	Transistor	30V	100	15	6.10	5.67	5.04
785-HOA1875-002	HOA1875-002	N	Transistor	30V	75	15	15.80	14.33	13.68
785-HOA1875-003	HOA1875-003	N	Darlington	15V	75	75	8.48	7.69	7.34
785-HOA1877-001	HOA1877-001	N	Transistor	30V	75	15	8.88	6.93	6.12
785-HOA1877-002	HOA1877-002	O	Transistor	30V	75	15	15.66	14.19	13.56
785-HOA1877-003	HOA1877-003	O	Darlington	15V	75	75	17.46	15.82	15.11
785-HOA1879-015	HOA1879-015	N	Transistor	30V	100	15	5.60	4.57	3.85
785-HOA1881-012	HOA1881-012	P	Transistor	30V	100	15	6.76	6.29	6.18
785-HOA1882-012	HOA1882-012	Q	Transistor	30V	100	15	3.15	2.57	2.16
785-HOA1884-012	HOA1884-012	R	Transistor	30V	100	15	5.94	4.72	3.97
785-HOA1887-012	HOA1887-012	S	Transistor	30V	100	15	7.52	6.34	5.60

## HALL EFFECT DIGITAL POSITION SENSORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Supply Voltage (Vdc)	Supply Current (Max.) (mA)	Output Type	Termination Type	Price Each		
							1	10	50
785-103SR12A-1	103SR12A-1	T	6.0 to 24.0	10	Source	152.4mm Lead Wires	51.18	46.53	42.65
785-103SR13A-1	103SR13A-1	T	4.5 to 24.0	10	Sink	152.4mm Lead Wires	25.10	19.96	17.89
785-103SR13A-2	103SR13A-2	U	4.5 to 24.0	10	Sink	1m Cable	61.20	55.64	51.00
785-103SR13A-9	103SR13A-9	V	4.5 to 24.0	10	Sink	3m Cable	93.68	86.25	84.19
785-SR13D-A1	SR13D-A1	W	3.8 to 30.0	13	Sink	152.4mm Lead Wires	12.71	11.56	10.59
785-SR15C-A3	SR15C-A3	X	3.8 to 30.0	13	Sink	254.0mm Lead Wires	10.40	9.45	8.67
785-SR13C-A1	SR13C-A1	X	3.8 to 30.0	13	Sink	152.4mm Lead Wires	5.50	5.18	4.36
785-SR3F-A1	SR3F-A1	L	4.5 to 24.0	18	Sink	152.4mm Cable	43.96	38.95	36.75

### HE Digital Position Sensors

785-SR17C-J6	SR17C-J6	Y	3.8 to 30.0	10	Sink	26-gauge 7-strand	8.51	6.23	5.31
785-SR16C-J6	SR16C-J6	Z	3.8 to 30.0	10	Sink	300.7mm Lead	13.04	11.85	10.87

## SMART POSITION SENSOR

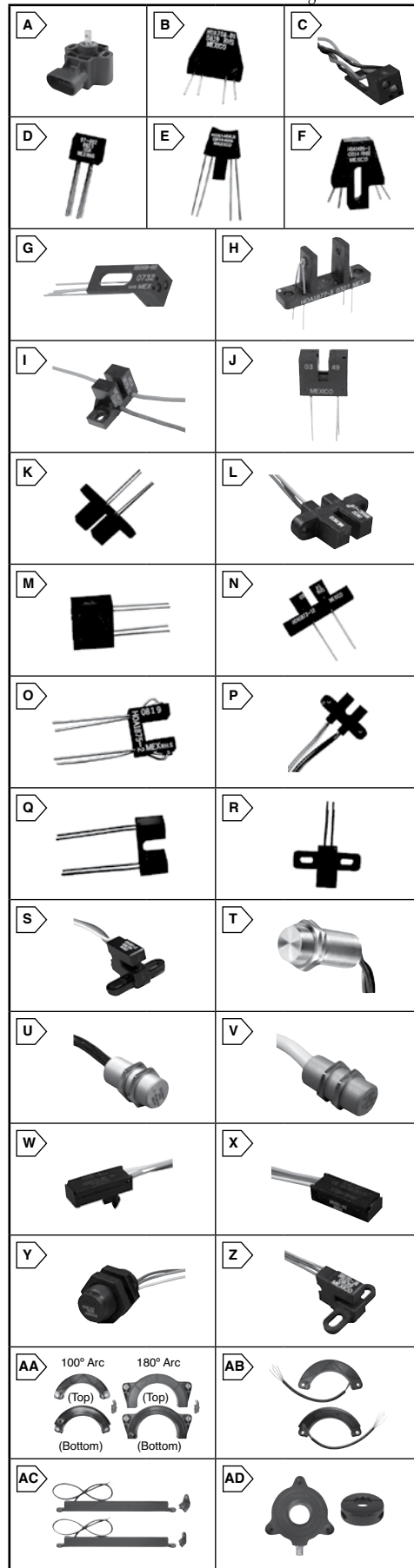
- Features:**
- IP67 & IP69K Sealing
  - Analog or Digital output \*
- Applications:**
- Transportation
  - Industrial



\* Digital Output only applies to SPS Linear Sensors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Supply Voltage (Vdc)	Output Type	Supply Current (mA)	Price Each		
						1	10	25
<b>Smart Arc Parameter 100 Position Sensors</b>								
785-SPS-A100D-HAMS	SPS-A100D-HAMS	AA	6 to 24	0.5-4.5 Vdc Analog	45	200.00	191.12	179.66
785-SPS-A100D-VAMS	SPS-A100D-VAMS	AA	18 to 40	0.5-4.5 Vdc Analog	45	200.00	191.12	179.66
785-SPS-A100D-HAWS	SPS-A100D-HAWS	AB	6.0 to 24.0	0.5-4.5 Vdc Analog	45	293.55	271.65	252.78
<b>Smart Arc Parameter 180 Position Sensors</b>								
785-SPS-A180D-HAMS	SPS-A180D-HAMS	AA	6 to 24	0.5-4.5 Vdc Analog	45	305.00	270.00	260.00
785-SPS-A180D-VAMS	SPS-A180D-VAMS	AA	18 to 40	0.5-4.5 Vdc Analog	45	293.55	271.65	252.78
<b>SPS Linear Sensors</b>								
* 785-SPSL075HALS	SPS-L075-HALS	AC	6 to 24	0-5 Vdc Analog	32	175.00	130.22	121.78
* 785-SPS-L225-HALS	SPS-L225-HALS	AC	6 to 24	0-5 Vdc Analog	34	232.00	190.00	179.00
* 785-SPS-L225-HDLS	SPS-L225-HDLS	AC	6 to 24	RS232 Digital	88	316.00	302.00	296.00
<b>Smart Position Sensor Rotary</b>								
785-SPSR360DNBMS0101	SPS-R360D-NBMS0101	AD	12-30 Vdc	4-20 mA	90	335.68	322.04	
785-SPS-MAG-002	SPS-MAG-002	AD	12-30 Vdc	4-20 mA	90	122.94	112.33	



Motion/Position Sensors Honeywell

