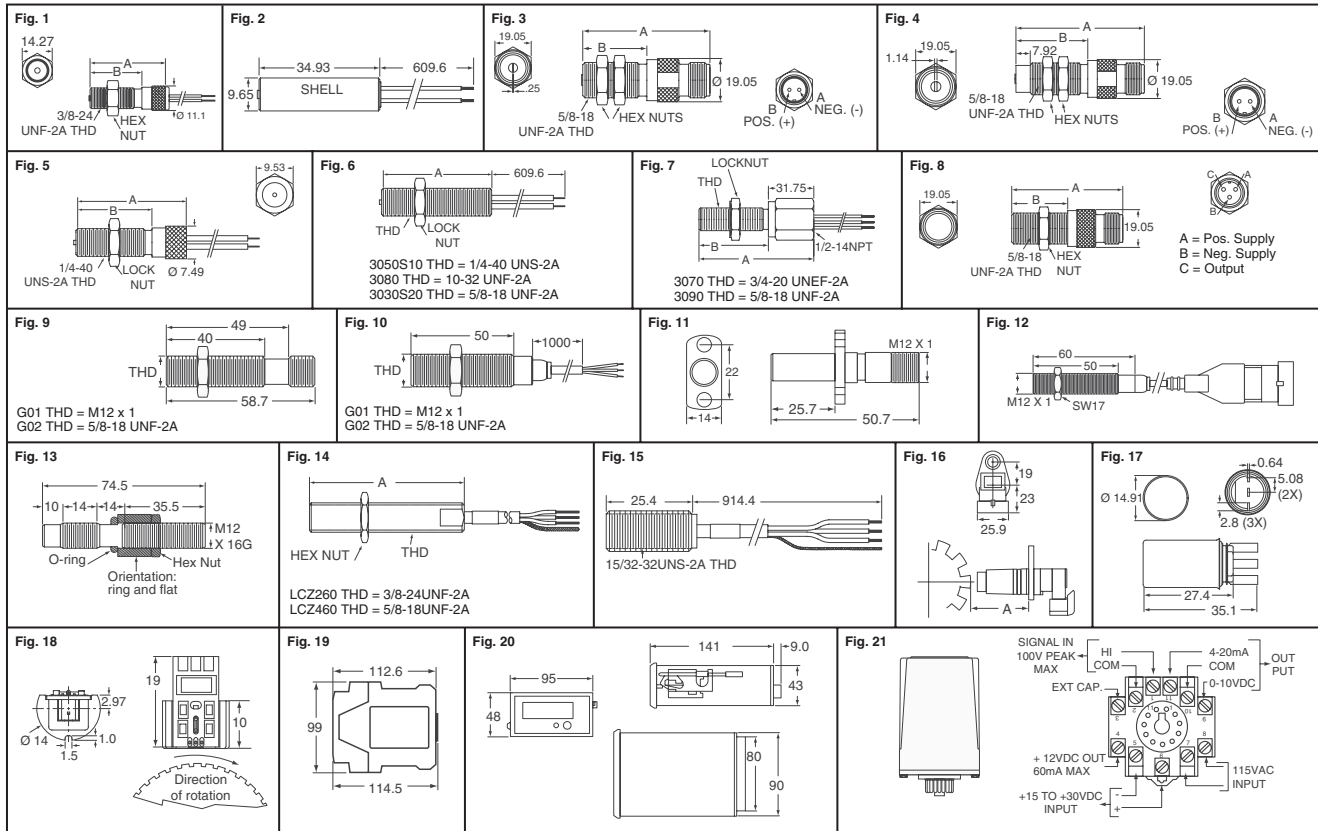


Honeywell Sensing and Control VRS and Hall Effect Speed Sensors

VRS Sensors are for high speed sensing applications where higher output voltages are needed. VRS Sensors perform best at low to medium speeds with medium to high impedance loads.
Hall Effect Speed Sensors are designed for use with a ferromagnetic gear or pole wheel to generate impulse frequencies proportional to the speed of the target.



VRS Sensors

Fig.	Dim. (mm)		Output Voltage	Coil Res. (Ω)	Inductance (mH)	Digi-Key Part No.	Price Each			Honeywell Sensing Part No.
	A	B					1	50	100	
1	31.75	20.62	55	330	75	480-2782-ND	67.86	52.78	49.95	.3025
	100	88.9	55	330	75	480-2783-ND	100.50	78.43	75.52	.3025A35
2	—	—	55	390	75	480-2784-ND	71.38	56.09	54.05	.3025SS13
	57.99	29.87	40	200	85	480-2787-ND	73.54	57.79	55.69	.3039AN
3	57.99	29.87	34	85	25	480-2785-ND	73.54	57.79	55.69	.3009AN
	57.99	29.87	170	1200	450	480-2786-ND	74.62	58.64	56.51	.3029AN
	57.99	29.87	190	1200	450	480-2776-ND	64.52	50.19	47.50	.3030AN
	91.62	63.5	190	1200	450	480-2777-ND	83.28	65.44	63.06	.3030AN25
	104.32	76.20	190	1200	450	480-2778-ND	95.15	74.26	71.51	.3030AN30
	129.72	101.6	190	1200	450	480-2779-ND	125.02	97.45	95.61	.3030AN40
	155.12	127	190	1200	450	480-2780-ND	148.13	115.46	111.11	.3030AN50
	64.29	36.5	190	1200	450	480-2775-ND	74.62	58.64	56.51	.3030A
	64.29	36.5	80	85	25	480-2788-ND	86.60	67.58	65.08	.3044A
	64.29	36.5	300	1200	450	480-2789-ND	86.60	67.58	65.08	.3045A
4	64.29	36.5	65	200	85	480-2790-ND	86.60	67.58	65.08	.3046A
	25.4	17.45	12	190	16	480-2791-ND	103.71	80.93	77.93	.3050
	39.67	31.75	12	190	16	480-2792-ND	127.12	99.09	97.22	.3050A13
	58.72	50.8	12	190	16	480-2793-ND	172.26	137.39	132.10	.3050A20
5	25.4	—	12	190	16	480-2794-ND	100.50	78.43	75.52	.3050S10
	12.7	—	8	155	14	480-2795-ND	167.11	135.78	130.56	.3080
	50.8	—	190	1200	450	480-2781-ND	71.19	55.38	52.41	.3030S20
	79.38	47.63	60	280	115	480-2796-ND	216.58	172.74	166.09	.3070A
	120.65	88.9	60	280	115	480-2797-ND	256.10	204.08	200.08	.3070A35
6	79.38	47.63	60	280	115	480-2798-ND	183.34	146.22	140.60	.3090A
	120.65	88.9	60	280	115	480-2799-ND	210.53	167.92	161.46	.3090A35
	57.73	29.87	175	1200	450	480-2800-ND	103.71	80.93	77.93	.MA230SAN
	103.96	76.2	175	1200	450	480-2801-ND	150.24	117.10	112.68	.MA233SAN
7	57.73	29.87	60	200	85	480-2802-ND	103.71	80.93	77.93	.MA240SAN
	103.96	76.2	60	200	85	480-2803-ND	150.24	117.10	112.68	.MA243SAN
	103.96	76.2	60	200	85	480-2804-ND	188.37	150.24	144.46	.MA243HT
	—	—	—	—	—	—	—	—	—	—

Fig.	Supply Current (mA)	Output Sinking (mA)	Dim. A (mm)	Rise/Fall Time (µs)	Digi-Key Part No.	Price Each			Honeywell Sensing Part No.
						1	50	100	
8	24	80	76.2	1 / 1	480-2805-ND	172.26	137.39	132.10	58426HV
					480-2806-ND	172.26	137.39	132.10	58426LV
14	20	20	20	4 / 4	480-2807-ND	86.60	67.58	65.08	LCZ260
					480-2808-ND	86.60	67.58	65.08	LCZ460
15	6	30	—	.07 / .07	480-2809-ND	54.88	41.53	40.05	ZH10
					480-2814-ND	41.90	30.87	30.32	GTN1A111
16	40	15	—	30 / 5	480-2815-ND	42.50	31.32	30.76	GTN1A112
					480-2816-ND	43.69	32.20	31.63	GTN1A113
					480-2817-ND	44.29	32.64	32.05	GTN1A114
					480-2818-ND	44.89	33.08	32.49	GTN1A115
					480-2819-ND	44.89	33.08	32.49	GTN1A116
					480-2820-ND	39.90	29.40	28.88	GTN1A211
17	20	40	—	15 / 1	480-2824-5-ND	16.88	11.01	10.33	1GP4001
					480-2825-5-ND	7.39	4.82	4.53	1GP4004
					480-2826-5-ND	7.39	4.82	4.53	1GP7001
					480-2827-5-ND	7.71	4.94	4.63	1GP5005
					480-2829-5-ND	15.00	9.60	9.00	1GQ8001
18	20	10	—	18 / 1	480-2828-5-ND	6.50	4.24	3.98	3GC401

◆ RoHS Compliant

Tachometers and Converter

Fig.	Description	Digi-Key Part No.	Price Each			Honeywell Sensing Part No.
			1	50	100	
19	Din-Rail Mount Tachometer with Relay, RS-232 0/4 - 20mA Output	480-2831-ND	240.00	191.25	187.50	SNDJ-CNT-G01
	Din-Rail Mount Tachometer with Relay, RS-232 0/2 - 10V Output	480-2832-ND	240.00	191.25	187.50	SNDJ-CNT-G02
20	Din-Rail Mount Tachometer with Relay, RS-232 0/4 - 20mA Output, with Display	480-2833-ND	367.35	296.25	—	SNDJ-CNT-G03
	Din-Rail Mount Tachometer with Relay, RS-232 0/2 - 10V Output, with Display	480-2834-ND	367.35	296.25	—	SNDJ-CNT-G04
21	Frequency to DC Converter	480-2830-ND	261.04	208.02	203.94	FDC
—	USB Programming Cable	480-2835-ND	54.00	42.00	40.50	SNDJ-CBL-G01

◆ RoHS Compliant

Hall Effect Speed Sensors

Fig.	Supply Current (mA)	Output	Frequency (kHz)	Digi-Key Part No.	Price Each			Honeywell Sensing Part No.
					1	50	100	
9	25	Square Wave	15	480-2810-ND	63.72	49.56	46.91	SNDJ-H3C-G01
				480-2812-ND	70.35	55.28	53.27	SNDJ-H3C-G02
10	25	Square Wave	15	480-2811-ND	68.04	52.92	50.09	SNDJ-H3L-G01
				480-2813-ND	71.40	56.10	54.06	SNDJ-H3L-G02
11	32	Square Wave	25	480-2821-ND	79.80	62.70	60.42	SNDJ-D3C-G01
12	32	Square Wave	25	480-2822-ND	79.80	62.70	60.42	SNDJ-D3P-G01
13	32	Square Wave	15	480-2823-ND	137.70	107.33	103.28	SNDJ-T4C-G01

More Product Available Online: www.digkey.com