

Dakota Digital

SGI-8

SIGNAL INTERFACE UNIT

For converting tachometer signals.

This unit can recalibrate an ignition system tachometer signal.

Wiring:

- PWR - 12 volt accessory power
- GND - ground
- Sig. In - Ignition system tach signal
(negative side of coil or tach output)
- OUT1 - output to tachometer
- OUT2 - not used
- OUT3 - $OUT1 \div 2$
- OUT4 - not used
- OUT5 - not used

Switch settings:

Engine	Tach	1	2	3	4	5	6	7	8	9	10
8 cyl	6 cyl	On	On	Off	On	Off	On	Off	On	Off	Off
8 cyl	4 cyl	On	On	Off	Off	Off	Off	Off	Off	Off	Off
6 cyl	8 cyl	On	On	On	Off	On	On	On	On	On	On
6 cyl	4 cyl	On	On	Off	Off	On	On	On	On	On	On
4 cyl	8 cyl	On	On	On	On	On	On	On	On	On	On
4 cyl	6 cyl	On	On	On	On	Off	On	Off	On	Off	Off

Other calibration combinations are possible by looking at chart on the last page. Switches 1 and 2 should always be on. Switches 3-10 adjust the calibration.

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A zero switch value represents an ON position. A one switch value represents an OFF position.

# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	cal ratio	tach	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	cal ratio	tach	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	cal ratio	tach	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	cal ratio	tach	
0	0	0	0	0	0	0	0	2.0000	64	0	1	0	0	0	0	0	0	1.3333	96	1	0	0	0	0	0	0	0	1.0000	128	1	1	0	0	0	0	0	0.6667	192		
0	0	0	0	0	0	0	1	1.9845	65	0	1	0	0	0	0	0	1	1.3264	97	1	0	0	0	0	0	0	1	0.9922	129	1	1	0	0	0	0	0	1	0.6632	193	
0	0	0	0	0	0	1	0	1.9692	65	0	1	0	0	0	0	1	0	1.3196	97	1	0	0	0	0	0	1	0	0.9846	130	1	1	0	0	0	0	1	0	0.6598	194	
0	0	0	0	0	0	1	1	1.9542	66	0	1	0	0	0	0	1	1	1.3128	98	1	0	0	0	0	0	1	1	0.9771	131	1	1	0	0	0	0	1	1	0.6564	195	
0	0	0	0	0	1	0	0	1.9394	66	0	1	0	0	0	1	0	0	1.3061	98	1	0	0	0	0	1	0	0	0.9697	132	1	1	0	0	0	1	0	0	0.6531	196	
0	0	0	0	0	1	0	1	1.9248	67	0	1	0	0	0	1	0	1	1.2995	99	1	0	0	0	0	1	0	1	0.9624	133	1	1	0	0	0	1	0	1	0.6497	197	
0	0	0	0	0	1	1	0	1.9104	67	0	1	0	0	0	1	1	0	1.2929	99	1	0	0	0	0	1	1	0	0.9552	134	1	1	0	0	0	1	1	0	0.6465	198	
0	0	0	0	0	1	1	1	1.8963	68	0	1	0	0	0	1	1	1	1.2864	100	1	0	0	0	0	1	1	1	0.9481	135	1	1	0	0	0	1	1	1	0.6432	199	
0	0	0	0	1	0	0	0	1.8824	68	0	1	0	0	1	0	0	0	1.2800	100	1	0	0	0	1	0	0	0	0.9412	136	1	1	0	0	1	0	0	0	0.6400	200	
0	0	0	0	1	0	0	1	1.8686	69	0	1	0	0	1	0	0	1	1.2736	101	1	0	0	0	1	0	0	1	0.9343	137	1	1	0	0	1	0	0	1	0.6368	201	
0	0	0	0	1	0	1	0	1.8551	69	0	1	0	0	1	0	1	0	1.2673	101	1	0	0	0	1	0	1	0	0.9275	138	1	1	0	0	1	0	1	0	0.6337	202	
0	0	0	0	1	0	1	1	1.8417	70	0	1	0	0	1	0	1	1	1.2611	102	1	0	0	0	1	0	1	1	0.9209	139	1	1	0	0	1	0	1	1	0.6305	203	
0	0	0	0	1	1	0	0	1.8286	70	0	1	0	0	1	1	0	0	1.2549	102	1	0	0	0	1	1	0	0	0.9143	140	1	1	0	0	1	1	0	0	0.6275	204	
0	0	0	0	1	1	0	1	1.8156	71	0	1	0	0	1	1	0	1	1.2488	103	1	0	0	0	1	1	0	1	0.9078	141	1	1	0	0	1	1	0	1	0.6244	205	
0	0	0	0	1	1	1	0	1.8028	71	0	1	0	0	1	1	1	0	1.2427	103	1	0	0	0	1	1	1	0	0.9014	142	1	1	0	0	1	1	1	0	0.6214	206	
0	0	0	0	1	1	1	1	1.7902	72	0	1	0	0	1	1	1	1	1.2367	104	1	0	0	0	1	1	1	1	0.8951	143	1	1	0	0	1	1	1	1	0.6184	207	
0	0	0	1	0	0	0	0	1.7778	72	0	1	0	1	0	0	0	0	1.2308	104	1	0	0	1	0	0	0	0	0.8889	144	1	1	0	0	1	0	0	0	0.6154	208	
0	0	0	1	0	0	0	1	1.7655	73	0	1	0	1	0	0	0	1	1.2249	105	1	0	0	1	0	0	0	1	0.8828	145	1	1	0	0	1	0	0	0	0.6124	209	
0	0	0	1	0	0	1	0	1.7534	73	0	1	0	1	0	0	1	0	1.2190	105	1	0	0	1	0	0	1	0	0.8767	146	1	1	0	0	1	0	0	1	0.6095	210	
0	0	0	1	0	0	1	1	1.7415	74	0	1	0	1	0	0	1	1	1.2133	106	1	0	0	1	0	0	1	1	0.8707	147	1	1	0	0	1	0	0	1	1	0.6066	211
0	0	0	1	0	1	0	0	1.7297	74	0	1	0	1	0	1	0	0	1.2075	106	1	0	0	1	0	1	0	0	0.8649	148	1	1	0	0	1	0	1	0	0.6038	212	
0	0	0	1	0	1	0	1	1.7181	75	0	1	0	1	0	1	0	1	1.2019	107	1	0	0	1	0	1	0	1	0.8591	149	1	1	0	0	1	0	1	0	1	0.6009	213
0	0	0	1	0	1	1	0	1.7067	75	0	1	0	1	0	1	1	0	1.1963	107	1	0	0	1	0	1	1	0	0.8533	150	1	1	0	0	1	0	1	1	0.5981	214	
0	0	0	1	0	1	1	1	1.6954	76	0	1	0	1	0	1	1	1	1.1907	108	1	0	0	1	0	1	1	1	0.8477	151	1	1	0	0	1	0	1	1	1	0.5953	215
0	0	0	1	1	0	0	0	1.6842	76	0	1	0	1	1	0	0	0	1.1852	108	1	0	0	1	1	0	0	0	0.8421	152	1	1	0	0	1	1	0	0	0.5926	216	
0	0	0	1	1	0	0	1	1.6732	77	0	1	0	1	1	0	0	1	1.1797	109	1	0	0	1	1	0	0	1	0.8366	153	1	1	0	0	1	1	0	0	1	0.5899	217
0	0	0	1	1	0	1	0	1.6623	77	0	1	0	1	1	0	1	0	1.1743	109	1	0	0	1	1	0	1	0	0.8312	154	1	1	0	0	1	1	0	1	0.5872	218	
0	0	0	1	1	0	1	1	1.6516	78	0	1	0	1	1	0	1	1	1.1689	110	1	0	0	1	1	0	1	1	0.8258	155	1	1	0	0	1	1	0	1	1	0.5845	219
0	0	0	1	1	1	0	0	1.6410	78	0	1	0	1	1	1	0	0	1.1636	110	1	0	0	1	1	1	0	0	0.8205	156	1	1	0	0	1	1	1	0	0.5818	220	
0	0	0	1	1	1	0	1	1.6306	79	0	1	0	1	1	1	0	1	1.1584	111	1	0	0	1	1	1	0	1	0.8153	157	1	1	0	0	1	1	1	0	0.5792	221	
0	0	0	1	1	1	1	0	1.6203	79	0	1	0	1	1	1	1	0	1.1532	111	1	0	0	1	1	1	0	0	0.8101	158	1	1	0	0	1	1	1	1	0.5766	222	
0	0	0	1	1	1	1	1	1.6101	80	0	1	0	1	1	1	1	1	1.1480	112	1	0	0	1	1	1	1	1	0.8050	159	1	1	0	0	1	1	1	1	1	0.5740	223
0	0	1	0	0	0	0	0	1.6000	80	0	1	1	0	0	0	0	0	1.1429	112	1	0	1	0	0	0	0	0	0.8000	160	1	1	1	0	0	0	0	0	0.5714	224	
0	0	1	0	0	0	0	1	1.5901	81	0	1	1	0	0	0	0	1	1.1378	113	1	0	1	0	0	0	0	1	0.7950	161	1	1	1	0	0	0	0	0	1	0.5689	225
0	0	1	0	0	0	1	0	1.5802	81	0	1	1	0	0	0	1	0	1.1327	113	1	0	1	0	0	0	1	0	0.7901	162	1	1	1	0	0	0	0	1	0.5664	226	
0	0	1	0	0	0	1	1	1.5706	82	0	1	1	0	0	0	1	1	1.1278	114	1	0	1	0	0	0	1	1	0.7853	163	1	1	1	0	0	0	1	1	0.5639	227	
0	0	1	0	0	1	0	0	1.5610	82	0	1	1	0	0	1	0	0	1.1228	114	1	0	1	0	0	1	0	0	0.7805	164	1	1	1	0	0	1	0	0	0.5614	228	
0	0	1	0	0	1	0	1	1.5515	83	0	1	1	0	0	1	0	1	1.1179	115	1	0	1	0	0	1	0	1	0.7758	165	1	1	1	0	0	1	0	1	0.5590	229	
0	0	1	0	0	1	1	0	1.5422	83	0	1	1	0	0	1	1	0	1.1130	115	1	0	1	0	0	1	1	0	0.7711	166	1	1	1	0	0	1	1	0	0.5565	230	
0	0	1	0	0	1	1	1	1.5329	84	0	1	1	0	0	1	1	1	1.1082	116	1	0	1	0	0	1	1	1	0.7665	167	1	1	1	0	0	1	1	1	0.5541	231	
0	0	1	0	1	0	0	0	1.5238	84	0	1	1	0	0	1	0	0	1.1034	116	1	0	1	0	1	0	0	0	0.7619	168	1	1	1	0	0	1	0	0	0.5517	232	
0	0	1	0	1	0	0	1	1.5148	85	0	1	1	0	1	0	0	1	1.0987	117	1	0	1	0	1	0	0	1	0.7574	169	1	1	1	0	0	1	0	0	1	0.5494	233
0	0	1	0	1	0	1	0	1.5059	85	0	1	1	0	1	0	1	0	1.0940	117	1	0	1	0	1	0	1	0	0.7529	170	1	1	1	0	0	1	0	1	0.5470	234	
0	0	1	0	1	0	1	1	1.4971	86	0	1	1	0	1	0	1	1	1.0894	118	1	0	1	0	1	0	1	1	0.7485	171	1	1	1	0	0	1	0	1	1	0.5447	