

REDLINE INSTRUMENTS 24 Channel Monitor with MODBUS

Function 4	INPUT REGISTERS			Show Head Unit	
Register #	Internal #	Channel		Range	
30001	0	1	PPM	0-100	
30002	1	2	PPM	0-100	
30003	2	3	PPM	0-100	
30004	3	4	PPM	0-100	
30005	4	5	PPM	0-100	
30006	5	6	PPM	0-100	
30007	6	7	PPM	0-100	
30008	7	8	PPM	0-100	
30009	8	9	PPM	0-100	
30010	9	10	PPM	0-100	
30011	10	11	PPM	0-100	
30012	11	12	PPM	0-100	
30013	12	13	PPM	0-100	
30014	13	14	PPM	0-100	
30015	14	15	PPM	0-100	
30016	15	16	PPM	0-100	
30017	16	17	PPM	0-100	
30018	17	18	PPM	0-100	
30019	18	19	PPM	0-100	
30020	19	20	PPM	0-100	
30021	20	21	PPM	0-100	
30022	21	22	PPM	0-100	
30023	22	23	PPM	0-100	
30024	23	24	PPM	0-100	
30025	24	1	Vbat	0-99	X100 mVolts (95 = 9.5V)
30026	25	2	Vbat	0-99	
30027	26	3	Vbat	0-99	
30028	27	4	Vbat	0-99	
30029	28	5	Vbat	0-99	
30030	29	6	Vbat	0-99	
30031	30	7	Vbat	0-99	
30032	31	8	Vbat	0-99	
30033	32	9	Vbat	0-99	
30034	33	10	Vbat	0-99	
30035	34	11	Vbat	0-99	
30036	35	12	Vbat	0-99	
30037	36	13	Vbat	0-99	
30038	37	14	Vbat	0-99	
30039	38	15	Vbat	0-99	
30040	39	16	Vbat	0-99	
30041	40	17	Vbat	0-99	
30042	41	18	Vbat	0-99	
30043	42	19	Vbat	0-99	
30044	43	20	Vbat	0-99	
30045	44	21	Vbat	0-99	
30046	45	22	Vbat	0-99	
30047	46	23	Vbat	0-99	
30048	47	24	Vbat	0-99	

30049	48	1	Rssi	0-255	Received Signal Strength
30050	49	2	Rssi	0-255	
30051	50	3	Rssi	0-255	
30052	51	4	Rssi	0-255	
30053	52	5	Rssi	0-255	
30054	53	6	Rssi	0-255	
30055	54	7	Rssi	0-255	
30056	55	8	Rssi	0-255	
30057	56	9	Rssi	0-255	
30058	57	10	Rssi	0-255	
30059	58	11	Rssi	0-255	
30060	59	12	Rssi	0-255	
30061	60	13	Rssi	0-255	
30062	61	14	Rssi	0-255	
30063	62	15	Rssi	0-255	
30064	63	16	Rssi	0-255	
30065	64	17	Rssi	0-255	
30066	65	18	Rssi	0-255	
30067	66	19	Rssi	0-255	
30068	67	20	Rssi	0-255	
30069	68	21	Rssi	0-255	
30070	69	22	Rssi	0-255	
30071	70	23	Rssi	0-255	
30072	71	24	Rssi	0-255	

30073	72	1	Mode	0-13	Modes 0 = Normal operation 1 = Null 2 = Cal Etc.
30074	73	2	Mode	0-13	
30075	74	3	Mode	0-13	
30076	75	4	Mode	0-13	
30077	76	5	Mode	0-13	
30078	77	6	Mode	0-13	
30079	78	7	Mode	0-13	
30080	79	8	Mode	0-13	
30081	80	9	Mode	0-13	
30082	81	10	Mode	0-13	
30083	82	11	Mode	0-13	
30084	83	12	Mode	0-13	
30085	84	13	Mode	0-13	
30086	85	14	Mode	0-13	
30087	86	15	Mode	0-13	
30088	87	16	Mode	0-13	
30089	88	17	Mode	0-13	
30090	89	18	Mode	0-13	
30091	90	19	Mode	0-13	
30092	91	20	Mode	0-13	
30093	92	21	Mode	0-13	
30094	93	22	Mode	0-13	
30095	94	23	Mode	0-13	
30096	95	24	Mode	0-13	

30097	96	1	Msg Timer	0-999	Time since last Radio Message
30098	97	2	Msg Timer	0-999	
30099	98	3	Msg Timer	0-999	
30100	99	4	Msg Timer	0-999	
30101	100	5	Msg Timer	0-999	
30102	101	6	Msg Timer	0-999	
30103	102	7	Msg Timer	0-999	
30104	103	8	Msg Timer	0-999	
30105	104	9	Msg Timer	0-999	
30106	105	10	Msg Timer	0-999	
30107	106	11	Msg Timer	0-999	
30108	107	12	Msg Timer	0-999	
30109	108	13	Msg Timer	0-999	
30110	109	14	Msg Timer	0-999	
30111	110	15	Msg Timer	0-999	
30112	111	16	Msg Timer	0-999	
30113	112	17	Msg Timer	0-999	
30114	113	18	Msg Timer	0-999	
30115	114	19	Msg Timer	0-999	
30116	115	20	Msg Timer	0-999	
30117	116	21	Msg Timer	0-999	
30118	117	22	Msg Timer	0-999	
30119	118	23	Msg Timer	0-999	
30120	119	24	Msg Timer	0-999	
30121	120	System	Vin	0-300	243 = 24.3 V

Function 3

HOLD REGISTERS

Register #	Internal #	Channel	Alarm Set pt.	Range
40001	0	1	A alarm	0-127
40002	1	1	B alarm	0-127
40003	2	1	C alarm	0-127
40004	3	1	D alarm	0-127
40005	4	2	A alarm	0-127
40006	5	2	B alarm	0-127
40007	6	2	C alarm	0-127
40008	7	2	D alarm	0-127
40009	8	3	A alarm	0-127
40010	9	3	B alarm	0-127
40011	10	3	C alarm	0-127
40012	11	3	D alarm	0-127
40013	12	4	A alarm	0-127
40014	13	4	B alarm	0-127
40015	14	4	C alarm	0-127
40016	15	4	D alarm	0-127
40017	16	5	A alarm	0-127
40018	17	5	B alarm	0-127
40019	18	5	C alarm	0-127
40020	19	5	D alarm	0-127
40021	20	6	A alarm	0-127
40022	21	6	B alarm	0-127
40023	22	6	C alarm	0-127
40024	23	6	D alarm	0-127

Register #	Internal #	Channel	Alarm Set pt.	Range
40025	24	7	A alarm	0-127
40026	25	7	B alarm	0-127
40027	26	7	C alarm	0-127
40028	27	7	D alarm	0-127
40029	28	8	A alarm	0-127
40030	29	8	B alarm	0-127
40031	30	8	C alarm	0-127
40032	31	8	D alarm	0-127
40033	32	9	A alarm	0-127
40034	33	9	B alarm	0-127
40035	34	9	C alarm	0-127
40036	35	9	D alarm	0-127
40037	36	10	A alarm	0-127
40038	37	10	B alarm	0-127
40039	38	10	C alarm	0-127
40040	39	10	D alarm	0-127
40041	40	11	A alarm	0-127
40042	41	11	B alarm	0-127
40043	42	11	C alarm	0-127
40044	43	11	D alarm	0-127
40045	44	12	A alarm	0-127
40046	45	12	B alarm	0-127
40047	46	12	C alarm	0-127
40048	47	12	D alarm	0-127
40049	48	13	A alarm	0-127
40050	49	13	B alarm	0-127
40051	50	13	C alarm	0-127
40052	51	13	D alarm	0-127
40053	52	14	A alarm	0-127
40054	53	14	B alarm	0-127
40055	54	14	C alarm	0-127
40056	55	14	D alarm	0-127
40057	56	15	A alarm	0-127
40058	57	15	B alarm	0-127
40059	58	15	C alarm	0-127
40060	59	15	D alarm	0-127
40061	60	16	A alarm	0-127
40062	61	16	B alarm	0-127
40063	62	16	C alarm	0-127
40064	63	16	D alarm	0-127
40065	64	17	A alarm	0-127
40066	65	17	B alarm	0-127
40067	66	17	C alarm	0-127
40068	67	17	D alarm	0-127
40069	68	18	A alarm	0-127
40070	69	18	B alarm	0-127
40071	70	18	C alarm	0-127
40072	71	18	D alarm	0-127
40073	72	19	A alarm	0-127
40074	73	19	B alarm	0-127
40075	74	19	C alarm	0-127
40076	75	19	D alarm	0-127

Register #	Internal #	Channel	Alarm Set pt.	Range
40077	76	20	A alarm	0-127
40078	77	20	B alarm	0-127
40079	78	20	C alarm	0-127
40080	79	20	D alarm	0-127
40081	80	21	A alarm	0-127
40082	81	21	B alarm	0-127
40083	82	21	C alarm	0-127
40084	83	21	D alarm	0-127
40085	84	22	A alarm	0-127
40086	85	22	B alarm	0-127
40087	86	22	C alarm	0-127
40088	87	22	D alarm	0-127
40089	88	23	A alarm	0-127
40090	89	23	B alarm	0-127
40091	90	23	C alarm	0-127
40092	91	23	D alarm	0-127
40093	92	24	A alarm	0-127
40094	93	24	B alarm	0-127
40095	94	24	C alarm	0-127
40096	95	24	D alarm	0-127

40097	96	1	Head Addr.	1-255
40098	97	2	Head Addr.	1-255
40099	98	3	Head Addr.	1-255
40100	99	4	Head Addr.	1-255
40101	100	5	Head Addr.	1-255
40102	101	6	Head Addr.	1-255
40103	102	7	Head Addr.	1-255
40104	103	8	Head Addr.	1-255
40105	104	9	Head Addr.	1-255
40106	105	10	Head Addr.	1-255
40107	106	11	Head Addr.	1-255
40108	107	12	Head Addr.	1-255
40109	108	13	Head Addr.	1-255
40110	109	14	Head Addr.	1-255
40111	110	15	Head Addr.	1-255
40112	111	16	Head Addr.	1-255
40113	112	17	Head Addr.	1-255
40114	113	18	Head Addr.	1-255
40115	114	19	Head Addr.	1-255
40116	115	20	Head Addr.	1-255
40117	116	21	Head Addr.	1-255
40118	117	22	Head Addr.	1-255
40119	118	23	Head Addr.	1-255
40120	119	24	Head Addr.	1-255

Radio Address

40121	120	4	On/off	0 = off
40122	121	5	On/off	1=Radio
40123	122	6	On/off	
40124	123	7	On/off	
40125	124	8	On/off	
40126	125	9	On/off	
40127	126	10	On/off	
40128	127	11	On/off	
40129	128	12	On/off	
40130	129	13	On/off	
40131	130	14	On/off	
40132	131	15	On/off	
40133	132	16	On/off	
40134	133	17	On/off	
40135	134	18	On/off	
40136	135	19	On/off	
40137	136	20	On/off	
40138	137	21	On/off	
40139	138	22	On/off	
40140	139	23	On/off	
40141	140	24	On/off	
40142	141	25	On/off	
40143	142	26	On/off	
40144	143	27	On/off	

40145	144	25	Latch	Group1	A alarms
40146	145	26	Latch	Group1	B alarms
40147	146	27	Latch	Group1	C alarms
40148	147	28	Latch	Group1	D alarms
40149	148	29	Latch	Group 2	A alarms
40150	149	30	Latch	Group 2	B alarms
40151	150	31	Latch	Group 2	C alarms
40152	151	32	Latch	Group 2	D alarms
40153	152	33	Latch	Group 3	A alarms
40154	153	34	Latch	Group 3	B alarms
40155	154	35	Latch	Group 3	C alarms
40156	155	36	Latch	Group 3	D alarms