

Parameter List: EMX4i

1. Overview

This application note lists soft starter programmable parameters, to simplify management over network communications.

This parameter list is correct for parameter list version 1.x.

For parameter details, refer to the soft starter user manual.



NOTE

To check the parameter list version, use Menu > Setup Tools > Software Versions.

2. Parameter list

	Parameter Number	Parameter Name
1	1A	<i>Command Source</i>
2	1B	<i>Motor Full Load Current</i>
3	1C	<i>Locked Rotor Time</i>
4	1D	<i>Locked Rotor Current</i>
5	1E	<i>Motor Service Factor</i>
6	2A	<i>Start Mode</i>
7	2B	<i>Start Ramp Time</i>
8	2C	<i>Initial Current</i>
9	2D	<i>Current Limit</i>
10	2E	<i>Adaptive Start Profile</i>
11	2F	<i>Kickstart Time</i>
12	2G	<i>Kickstart Level</i>
13	2H	<i>Jog Torque</i>
14	2I	<i>Stop Mode</i>
15	2J	<i>Stop Time</i>
16	2K	<i>Adaptive Stop Profile</i>
17	2L	<i>Adaptive Control Gain</i>
18	2M	<i>Multi Pump</i>
19	2N	<i>Start Delay</i>
20	2O	<i>DC Brake Torque</i>
21	2P	<i>DC Brake Time</i>
22	2Q	<i>Brake Current Limit</i>
23	2R	<i>Soft Brake Delay</i>
24	3A	<i>Start Mode-2</i>
25	3B	<i>Start Ramp Time-2</i>
26	3C	<i>Initial Current-2</i>
27	3D	<i>Current Limit-2</i>
28	3E	<i>Adaptive Start Profile-2</i>
29	3F	<i>Kickstart Time-2</i>
30	3G	<i>Kickstart Level-2</i>
31	3H	<i>Jog Torque-2</i>
32	3I	<i>Stop Mode-2</i>
33	3J	<i>Stop Time-2</i>
34	3K	<i>Adaptive Stop Profile-2</i>
35	3L	<i>Adaptive Control Gain-2</i>

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	Parameter Number	Parameter Name
36	3M	<i>Multi Pump-2</i>
37	3N	<i>Start Delay-2</i>
38	3O	<i>DC Brake Torque-2</i>
39	3P	<i>DC Brake Time-2</i>
40	3Q	<i>Brake Current Limit-2</i>
41	3R	<i>Soft Brake Delay-2</i>
42	4A	<i>Auto-Start/Stop Mode</i>
43	4B	<i>Sunday Mode</i>
44	4C	<i>Sunday Start Time</i>
45	4D	<i>Sunday Stop Time</i>
46	4E	<i>Monday Mode</i>
47	4F	<i>Monday Start Time</i>
48	4G	<i>Monday Stop Time</i>
49	4H	<i>Tuesday Mode</i>
50	4I	<i>Tuesday Start Time</i>
51	4J	<i>Tuesday Stop Time</i>
52	4K	<i>Wednesday Mode</i>
53	4L	<i>Wednesday Start Time</i>
54	4M	<i>Wednesday Stop Time</i>
55	4N	<i>Thursday Mode</i>
56	4O	<i>Thursday Start Time</i>
57	4P	<i>Thursday Stop Time</i>
58	4Q	<i>Friday Mode</i>
59	4R	<i>Friday Start Time</i>
60	4S	<i>Friday Stop Time</i>
61	4T	<i>Saturday Mode</i>
62	4U	<i>Saturday Start Time</i>
63	4V	<i>Saturday Stop Time</i>
64	5A	<i>Current Imbalance</i>
65	5B	<i>Current Imbalance Delay</i>
66	5C	<i>Undercurrent</i>
67	5D	<i>Undercurrent Delay</i>
68	5E	<i>Overcurrent</i>
69	5F	<i>Overcurrent Delay</i>
70	5G	<i>Excess Start Time</i>
71	5H	<i>Restart Delay</i>
72	6A	<i>Current Imbalance</i>
73	6B	<i>Undercurrent</i>
74	6C	<i>Overcurrent</i>
75	6D	<i>Excess Start Time</i>
76	6E	<i>Input A Trip</i>
77	6F	<i>Input B Trip</i>
78	6G	<i>Network Communications</i>
79	6H	<i>Remote Keypad Fault</i>
80	6I	<i>Frequency</i>
81	6J	<i>Motor Overtemperature</i>
82	6K	<i>Motor Thermistor Circuit</i>
83	6L	<i>Shorted SCR Action</i>

	Parameter Number	Parameter Name
84	6M	<i>Battery/Clock</i>
85	6N	<i>Pressure Sensor</i>
86	6O	<i>Flow Sensor</i>
87	6P	<i>Depth Sensor</i>
88	6Q	<i>High Pressure</i>
89	6R	<i>Low Pressure</i>
90	6S	<i>High Flow</i>
91	6T	<i>Low Flow</i>
92	6U	<i>Flow Switch</i>
93	6V	<i>Well Depth</i>
94	6W	<i>RTD/PT100 B</i>
95	7A	<i>Input A Function</i>
96	7B	<i>Input A Trip</i>
97	7C	<i>Input A Trip Delay</i>
98	7D	<i>Input A Initial Delay</i>
99	7E	<i>Input B Function</i>
100	7F	<i>Input B Trip</i>
101	7G	<i>Input B Trip Delay</i>
102	7H	<i>Input B Initial Delay</i>
103	7I	<i>Reset/Enable Logic</i>
104	7J	<i>Input A Name</i>
105	7K	<i>Input B Name</i>
106	8A	<i>Relay A Function</i>
107	8B	<i>Relay A On Delay</i>
108	8C	<i>Relay A Off Delay</i>
109	8D	<i>Relay B Function</i>
110	8E	<i>Relay B On Delay</i>
111	8F	<i>Relay B Off Delay</i>
112	8G	<i>Low Current Flag</i>
113	8H	<i>High Current Flag</i>
114	8I	<i>Motor Temperature Flag</i>
115	8J	<i>Main Contactor Time</i>
116	9A	<i>Analog Output A</i>
117	9B	<i>Analog A Scale</i>
118	9C	<i>Analog A Maximum Adjustment</i>
119	9D	<i>Analog A Minimum Adjustment</i>
120	10A	<i>Language</i>
121	10B	<i>Temperature Scale</i>
122	10C	<i>Graph Timebase</i>
123	10D	<i>Graph Maximum Adjustment</i>
124	10E	<i>Graph Minimum Adjustment</i>
125	10F	<i>Current Calibration</i>
126	10G	<i>Adjustment Lock</i>
127	10H	<i>User Parameter 1</i>
128	10I	<i>User Parameter 2</i>
129	11A	<i>Modbus Address</i>
130	11B	<i>Modbus Baud Rate</i>
131	11C	<i>Modbus Parity</i>

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	Parameter Number	Parameter Name
132	11D	<i>Modbus Timeout</i>
133	11E	<i>Devicenet Address</i>
134	11F	<i>Devicenet Baud Rate</i>
135	11G	<i>Profibus Address</i>
136	11H	<i>Gateway Address</i>
137	11I	<i>Gateway Address 2</i>
138	11J	<i>Gateway Address 3</i>
139	11K	<i>Gateway Address 4</i>
140	11L	<i>IP Address</i>
141	11M	<i>IP Address 2</i>
142	11N	<i>IP Address 3</i>
143	11O	<i>IP Address 4</i>
144	11P	<i>Subnet Mask</i>
145	11Q	<i>Subnet Mask 2</i>
146	11R	<i>Subnet Mask 3</i>
147	11S	<i>Subnet Mask 4</i>
148	11T	<i>DHCP</i>
149	11U	<i>Location ID</i>
150	12A	<i>Auto-Reset Count</i>
151	12B	<i>Auto-Reset Delay</i>
152	12C	<i>Pressure Sensor Type</i>
153	12D	<i>Pressure Units</i>
154	12E	<i>Pressure at 4 mA</i>
155	12F	<i>Pressure at 20 mA</i>
156	12G	<i>Flow Sensor Type</i>
157	12H	<i>Flow Units</i>
158	12I	<i>Flow at 4 mA</i>
159	12J	<i>Flow at 20 mA</i>
160	12K	<i>Units per Minute at Max Flow</i>
161	12L	<i>Pulses per Minute at Max Flow</i>
162	12M	<i>Units per Pulse</i>
163	12N	<i>Depth Sensor Type</i>
164	12O	<i>Depth Units</i>
165	12P	<i>Depth at 4 mA</i>
166	12Q	<i>Depth at 20 mA</i>
167	13A	<i>High Flow Trip Level</i>
168	13B	<i>Low Flow Trip Level</i>
169	13C	<i>Flow Start Delay</i>
170	13D	<i>Flow Response Delay</i>
171	14A	<i>High Pressure Trip Level</i>
172	14B	<i>High Pressure Start Delay</i>
173	14C	<i>High Pressure Response Delay</i>
174	14D	<i>Low Pressure Trip Level</i>
175	14E	<i>Low Pressure Start Delay</i>
176	14F	<i>Low Pressure Response Delay</i>
177	15A	<i>Pressure Control Mode</i>
178	15B	<i>Start Pressure Level</i>
179	15C	<i>Start Response Delay</i>

	Parameter Number	Parameter Name
180	15D	<i>Stop Pressure Level</i>
181	15E	<i>Stop Response Delay</i>
182	16A	<i>Depth Trip Level</i>
183	16B	<i>Depth Reset Level</i>
184	16C	<i>Depth Start Delay</i>
185	16D	<i>Depth Response Delay</i>
186	17A	<i>Temperature Sensor Type</i>
187	17B	<i>Temperature Trip Level</i>
188	20A	<i>Tracking Gain</i>
189	20B	<i>Pedestal Detect</i>
190	20C	<i>Bypass Contactor Delay</i>
191	20D	<i>Current Rating</i>
192	20E	<i>Screen Timeout</i>