

# Parameter List: EMX4e

## 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>Stop Mode</i>
12	2G	<i>Stop Time</i>
13	2H	<i>Adaptive Stop Profile</i>
14	2I	<i>Adaptive Control Gain</i>
15	2J	<i>Multi Pump</i>
16	2K	<i>Start Delay</i>
17	5A	<i>Current Imbalance</i>
18	5B	<i>Current Imbalance Delay</i>
19	5C	<i>Undercurrent</i>
20	5D	<i>Undercurrent Delay</i>
21	5E	<i>Overcurrent</i>
22	5F	<i>Overcurrent Delay</i>
23	5G	<i>Excess Start Time</i>
24	5H	<i>Restart Delay</i>
25	6A	<i>Current Imbalance</i>
26	6B	<i>Undercurrent</i>
27	6C	<i>Overcurrent</i>
28	6D	<i>Excess Start Time</i>
29	6E	<i>Input A Trip</i>
30	6F	<i>Input B Trip</i>
31	6G	<i>Network Communications</i>
32	6H	<i>Remote Keypad Fault</i>
33	6I	<i>Frequency</i>
34	6J	<i>Motor Overtemperature</i>
35	6K	<i>Motor Thermistor Circuit</i>

**PARAMETER LIST**

	<b>Parameter Number</b>	<b>Parameter Name</b>
36	6L	<i>Pressure Sensor</i>
37	6M	<i>Flow Sensor</i>
38	6N	<i>Depth Sensor</i>
39	6O	<i>High Pressure</i>
40	6P	<i>Low Pressure</i>
41	6Q	<i>High Flow</i>
42	6R	<i>Low Flow</i>
43	6S	<i>Flow Switch</i>
44	6T	<i>Well Depth</i>
45	6U	<i>RTD/PT100 B</i>
46	7A	<i>Input A Function</i>
47	7B	<i>Input A Trip</i>
48	7C	<i>Input A Trip Delay</i>
49	7D	<i>Input A Initial Delay</i>
50	7E	<i>Input B Function</i>
51	7F	<i>Input B Trip</i>
52	7G	<i>Input B Trip Delay</i>
53	7H	<i>Input B Initial Delay</i>
54	7I	<i>Reset/Enable Logic</i>
55	7J	<i>Input A Name</i>
56	7K	<i>Input B Name</i>
57	8A	<i>Relay A Function</i>
58	8B	<i>Relay A On Delay</i>
59	8C	<i>Relay A Off Delay</i>
60	8D	<i>Relay B Function</i>
61	8E	<i>Relay B On Delay</i>
62	8F	<i>Relay B Off Delay</i>
63	8G	<i>Low Current Flag</i>
64	8H	<i>High Current Flag</i>
65	8I	<i>Motor Temperature Flag</i>
66	8J	<i>Main Contactor Time</i>
67	9A	<i>Analog Output A</i>
68	9B	<i>Analog A Scale</i>
69	9C	<i>Analog A Maximum Adjustment</i>
70	9D	<i>Analog A Minimum Adjustment</i>
71	10A	<i>Language</i>
72	10B	<i>Temperature Scale</i>
73	10C	<i>Graph Timebase</i>
74	10D	<i>Graph Maximum Adjustment</i>
75	10E	<i>Graph Minimum Adjustment</i>
76	10F	<i>Current Calibration</i>
77	10G	<i>Adjustment Lock</i>
78	10H	<i>User Parameter 1</i>
79	10I	<i>User Parameter 2</i>
80	11A	<i>Modbus Address</i>
81	11B	<i>Modbus Baud Rate</i>
82	11C	<i>Modbus Parity</i>
83	11D	<i>Modbus Timeout</i>

	Parameter Number	Parameter Name
84	11E	<i>Devicenet Address</i>
85	11F	<i>Devicenet Baud Rate</i>
86	11G	<i>Profibus Address</i>
87	11H	<i>Gateway Address</i>
88	11I	<i>Gateway Address 2</i>
89	11J	<i>Gateway Address 3</i>
90	11K	<i>Gateway Address 4</i>
91	11L	<i>IP Address</i>
92	11M	<i>IP Address 2</i>
93	11N	<i>IP Address 3</i>
94	11O	<i>IP Address 4</i>
95	11P	<i>Subnet Mask</i>
96	11Q	<i>Subnet Mask 2</i>
97	11R	<i>Subnet Mask 3</i>
98	11S	<i>Subnet Mask 4</i>
99	11T	<i>DHCP</i>
100	11U	<i>Location ID</i>
101	12A	<i>Auto-Reset Count</i>
102	12B	<i>Auto-Reset Delay</i>
103	12C	<i>Pressure Sensor Type</i>
104	12D	<i>Pressure Units</i>
105	12E	<i>Pressure at 4 mA</i>
106	12F	<i>Pressure at 20 mA</i>
107	12G	<i>Flow Sensor Type</i>
108	12H	<i>Flow Units</i>
109	12I	<i>Flow at 4 mA</i>
110	12J	<i>Flow at 20 mA</i>
111	12K	<i>Units per Minute at Max Flow</i>
112	12L	<i>Pulses per Minute at Max Flow</i>
113	12M	<i>Units per Pulse</i>
114	12N	<i>Depth Sensor Type</i>
115	12O	<i>Depth Units</i>
116	12P	<i>Depth at 4 mA</i>
117	12Q	<i>Depth at 20 mA</i>
118	13A	<i>High Flow Trip Level</i>
119	13B	<i>Low Flow Trip Level</i>
120	13C	<i>Flow Start Delay</i>
121	13D	<i>Flow Response Delay</i>
122	14A	<i>High Pressure Trip Level</i>
123	14B	<i>High Pressure Start Delay</i>
124	14C	<i>High Pressure Response Delay</i>
125	14D	<i>Low Pressure Trip Level</i>
126	14E	<i>Low Pressure Start Delay</i>
127	14F	<i>Low Pressure Response Delay</i>
128	15A	<i>Pressure Control Mode</i>
129	15B	<i>Start Pressure Level</i>
130	15C	<i>Start Response Delay</i>
131	15D	<i>Stop Pressure Level</i>

## PARAMETER LIST

	Parameter Number	Parameter Name
132	15E	<i>Stop Response Delay</i>
133	16A	<i>Depth Trip Level</i>
134	16B	<i>Depth Reset Level</i>
135	16C	<i>Depth Start Delay</i>
136	16D	<i>Depth Response Delay</i>
137	17A	<i>Temperature Sensor Type</i>
138	17B	<i>Temperature Trip Level</i>
139	20A	<i>Tracking Gain</i>
140	20B	<i>Pedestal Detect</i>
141	20C	<i>Bypass Contactor Delay</i>
142	20D	<i>Current Rating</i>
143	20E	<i>Screen Timeout</i>