

ACH580 Parameter Groups

Parameter Group Changes

Color = Combined Groups

Note: Parameters are listed in numerical order with first priority given to the ACH550 menu structure, and second priority given to the ACH580 menu structure.

ACH550		ACH580
• 01	Operating Data	01
• 03	Status Words	06
• 04	Fault History	04
• N/A	Diagnostics	05
• 10	Start/Stop Direction	20
• N/A	DI5 DI/FI Configuration	11
• 11	Reference Select	22 (Speeds), 28 (Frequencies)
• 12	Constant Speeds	22 (Speeds), 28 (Frequencies)
• 13	Analog Inputs	12
• 14	Relay Outputs	10
• 15	Analog Outputs	13
• 16	System Controls	20
• 17	Fire Override	70
• 20	Limits	30
• 21	Start/Stop Mode	21
• 22	Accel/Decel	23 (Speeds), 28 (Frequencies)
• 23	Speed Control	25
• 25	Critical Speeds	22 (Speeds), 28 (Frequencies)
• 26	Motor Control	97 (Flux Optimization is in 45.11)
• 30	Fault Functions	31
• 31	Auto Reset	31
• 32	Supervision	32
• 33	Information	07
• 34	Panel Display	Edit panel display via the “Options” menu accessed from the home view

• 35	Motor Temp Measure	35
• 36	Timed Functions	34
• 37	User Load Curve	37
• 40	PID Set 1	40
• 41	PID Set 2	41
• 42	Ext/Trim PID	71
• N/A	Brake Chopper	43
• 45	Energy Saving	45
• 51	FBA Module	50, 51, 52, 53
• 52	Panel Comm	49
• 53	EFB Protocol	58
• 64	Load Analyzer	36
• 81	PFA Control	76, 77
• N/A	HW Configuration	95
• N/A	System	96
• 98	Options	58
• 99	Motor Data	99
• 99.04	Motor Control Mode	19.01

ACH580

Recommended Parameter Settings & Common Parameters

10.24	RO1 Source	<i>Damper Control</i>
10.27	RO2 Source	<i>Running</i>
10.30	RO3 Source	<i>Fault (-1)</i>
12.15	AI1 Unit Selection	(Set Accordingly <i>V / mA</i>)
12.17	AI1 Minimum	(Set Accordingly <i>4.000mA / 0.000V</i>)
28.72	Freq Accel Time 1	(Set Accordingly <i>20.000</i> Seconds)
28.73	Freq Decel Time 1	(Set Accordingly <i>20.000</i> Seconds)
30.13	Minimum Frequency	(Set Accordingly <i>15Hz</i> Fans / <i>20Hz</i> Pumps)
30.14	Maximum Frequency	(Set Accordingly <i>60Hz</i> Max Pumps)
30.17	Maximum Current	(Set Accordingly <i>Nameplate +</i> Accordingly)
31.12	Auto Reset Selection	<i>(OverCurrent, OverVoltage, UnderVoltage)</i>
31.19	Motor Phase Loss	<i>(Disable</i> For Testing / Bench Testing)
31.21	Supply Phase Loss	<i>(Disable</i> For Single Phase Input Use)
49.05	Comm Loss Action	(If Keypad is Disconnected / Set <i>No Action</i>)
97.20	U/f Ratio	<i>Linear</i>
99.16	Motor Phase Order	(Should Be Used w/ Care if E-Clipse Present)