**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 ***Damper Control***

***10.27*** RO2 Source ***Running***

***10.30***  RO3 Source ***Fault (-1)***

***12.15*** AI1 Unit Selection (Set Accordingly ***V / mA***)

***12.17*** AI1 Minimum (Set Accordingly ***4.000mA / 0.000V***)

***28.72*** Freq Accel Time 1 (Set Accordingly ***20.000*** Seconds)

***28.73*** Freq Decel Time 1 (Set Accordingly ***20.000*** Seconds)

***30.13*** Minimum Frequency (Set Accordingly ***15Hz*** Fans / ***20Hz*** Pumps)

***30.14*** Maximum Frequency (Set Accordingly ***60Hz*** Max Pumps)

***30.17*** Maximum Current (Set Accordingly ***Nameplate +*** Accordingly)

***31.12***  Auto Reset Selection (***OverCurrent, OverVoltage, UnderVoltage***)

***31.19*** Motor Phase Loss (***Disable*** For Testing / Bench Testing)

***31.21***  Supply Phase Loss (***Disable*** For Single Phase Input Use)

***49.05***  Comm Loss Action (If Keypad is Disconnected / Set ***No Action***)

***97.20***  U/f Ratio ***Linear***

***99.16***  Motor Phase Order (Should Be Used w/ Care if E-Clipse Present)