GS Drives Parameter and Status Addressing

Parameter Addressing

The supported GS series drives are addressed by means of parameters and parameter groups. Both are specific to the drive in question and can be found by consulting the specific drive manual.

Addressing Syntax

Both group and parameter addresses are 0-based. All parameters are read/write.

P<group>.<parameter>

Parameter Definitions

Drive	Manual
GS1	GS1-M
GS2	GS2-M
GS3	GS3-M

Definitions for both parameter groups and parameters can be found in the specific drive manual.

Examples

Drive: GS1
Parameter Group: Ramps
Parameter: Acceleration Time 1
Address: **P1.1**
Data Type: Float

Drive: GS2
Parameter Group: Analog
Parameter: Analog Input Reverse Motion Enable
Data Type: Word

Appendix C

Status Addressing

The supported GS series drives also contain status information similar to the parameter addressing. Available status variables are specific to the drive in question and can be found by consulting the specific drive manual.

Addressing Syntax

Both group and status addresses are 0-based. All status variables are read only.

ST<group>.<parameter>

Status Definitions

Group	Status Variable	Model	Label	Data Type
0	0	GS1/GS2/GS3	Status Monitor 1	WORD
0	1	GS1/GS2/GS3	Status Monitor 2	WORD
0	2	GS1/GS2/GS3	Frequency Command F	FLOAT
0	3	GS1/GS2/GS3	Output Frequency H	FLOAT
0	4	GS1/GS2/GS3	Output Current A	FLOAT
0	5	GS1/GS2/GS3	DC BUS Voltage U	FLOAT
0	6	GS1/GS2/GS3	Output Voltage E	FLOAT
0	7	GS1/GS3	Motor RPM	WORD
0	8	GS1/GS3	Scale Frequency (Low)	WORD
0	9	GS1/GS3	Scale Frequency (High)	WORD
0	10	GS2/GS3	Power Factor Angle	WORD
0	11	GS1/GS3	% Load	WORD
0	12	GS3	PID Setpoint	WORD
0	13	GS3	PID Feedback Signal	WORD
0	14	N/A	Reserved	N/A
0	15	N/A	Reserved	N/A
0	16	GS1/GS2/GS3	Software Version	WORD

Examples

Drive: GS1
Status: Status Monitor 1
Address: **ST0.0**
Data Type: Word

Drive: GS3
Status Variable: DC Bus Voltage
Address: **ST0.5**
Data Type: Float