

Guide

All Parameters Set or Factory Reset

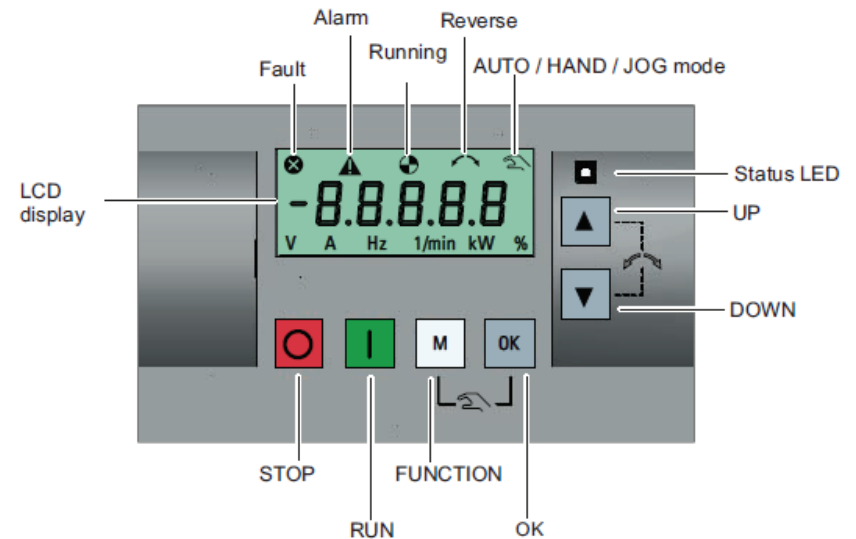
for G700 GRYO AIR



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RELATED INFORMATION

SINAMICS V-20 INVERTER



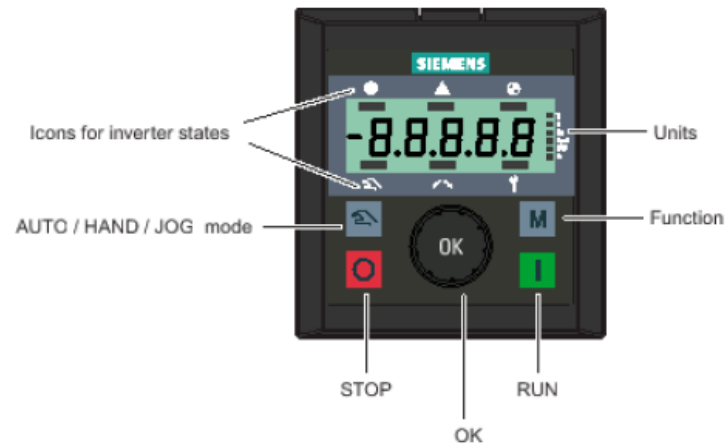
SINAMICS V20 INVERTER

RELATED INFORMATION

External BOP



EXTERNAL BOP



Pressing the button:

Button functions the same as the  button on the built-in BOP.

Turning clockwise:

Button functions the same as the 

button on the built-in BOP. Fast turning functions the same as long press of the  button on the built-in BOP.

Turning counter-clockwise:

Button functions the same as the 

button on the built-in BOP. Fast turning functions the same as long press of the  button on the built-in BOP.

SETTING PROCESS

G700 Gyro Air

Setting the 50/60Hz selection menu



Setting motor data



Setting connection macros



Setting application macros



Setting common parameters

EXAMPLE

Editing Parameter P0003

1----->3

REF	DISPLAYED	☐ Operable operation
ROOT	0.00	✓ M <2S Enter Manual M >2S Review the Electrical Parameter
Parameter	P00 1 1	✓ OK <2S Enter ▲ + ▼ Increase/Decreases Displayed Value M >2S Back to Root
Parameter	P0003	✓ OK <2S Enter ▲ + ▼ Increase/Decreases Displayed Value M >2S Back to Root
Value	1	✓ OK <2S Confirm Value and Back to Current Parameter M <2S Cancel and Back to Current Parameter ▲ + ▼ Increase/Decreases Displayed Value M >2S Back to Root
Value	3	✓ OK <2S Confirm Value and Back to Current Parameter M <2S Cancel and Back to Current Parameter ▲ + ▼ Increase/Decreases Displayed Value M >2S Back to Root
DONE	P0003	OK <2S Enter ▲ + ▼ Increase/Decreases Displayed Value M >2S Back to Root

in 000

No parameter indices need to be adjusted for GYRO AIR now, press **OK** to skip in some parameters.

Parameters List

G700 Gyro Air

Parameter	Description	Factory default	Harvey Setting
P0304	Rated motor voltage [V]	400	220
P0305	Rated motor current [A]	1.86	5.8
P0307	Rated motor power	0.75	1.5
P0308	Rated motor $\cos\phi$	0.000	0.84
P0310	Rated motor frequency [Hz]	50.00	50.00
P0311	Rated motor speed [RPM]	1395	2890
P0724	Debounce time for digital inputs		3
P0003	User access level	1	3
P0701	Function of digital input 1	0	99
P0732	BI: Function of digital output 2	52.7	722.0
P2106	BI: External fault		2852
P2800	Enable FFBs		1
P2802	Activate FFBs		1
P2849	BI: Timer 1		722.0
P2850	Delay time of timer 1 【S】		5
P2851	Mode timer 1		1
P0702	Function of digital input 2		1
P1080	Minimum frequency [Hz]	0.00	40.00
P1082	Maximum frequency [Hz]	50.00	75.00
P1120	Ramp-up time [s]	10.00	20.00
P1121	Ramp-down time [s]	10.00	20.00
P1133	Ramp-down final rounding time [s]	0.00	40.00
P1040	Setpoint of the MOP	5	40
P1031	MOP mode	1	1
P0610	Compliant motor overtemperature protection		1

Parameters List

G700 Gyro Air

Parameter Lock *(Designed to prevent user faulty operation)*

Parameter	Description	Factory default	Harvey Setting
P0011	Lock for user-defined parameter	0	18
P0012	Key for user-defined parameter	0	8
P0003	User access level	1	0

Parameter Unlock *(Before all changes)*

Parameter	Description	Harvey Setting
P0012	Key for user-defined parameter	18
P0003	User access level	3

Factory Reset

Parameter	Description	Harvey Setting
P0003	User access level	=1 (standard user access level)
P0010	Commissioning parameter	=30 (factory setting)
P0970	Factory reset	=21: parameter reset to factory defaults deleting user defaults if stored

END

