NXS Frequency Converters

QUICK GUIDE

Table 1. Monitoring Values.

Code	Signal name	Unit
V1.1	Output frequency	Hz
V1.2	Frequency reference	Hz
V1.3	Motor speed	rpm
V1.4	Motor current	A
V1.5	Motor torque	%
V1.6	Motor power	%
V1.7	Motor voltage	V
V1.8	DC-link voltage	V
V1.9	Unit temperature	ºC
V1.10	Motor temperature	%
V1.11	Voltage input	V
V1.12	Current input	mA
V1.13	DIN1, DIN2, DIN3	
V1.14	DIN4, DIN5, DIN6	
V1.15	DO1, RO1, RO2	
V1.16	Analogue output current	mA
M1.17	Multimonitoring items	

IMPORTANT

> *Different All in One applications embody
> more monitoring values.*

Application Selection

1. Find the System Menu (M6)
2. Enter the Application selection page (S6.2).
3. Push the Menu button right to make the name of application blink.
4. Browse through the applications with the Browser buttons and select another application with the Enter button.

> NOTE: For closer information on application change, see Chapter 7.3.6.

Language Selection

1. Find the System Menu (M6)
2. Enter the Language selection page (S6.1).
3. Push the Menu button right to make the name of language blink.
4. Browse through the languages with the Browser buttons and select another language with the Enter button.
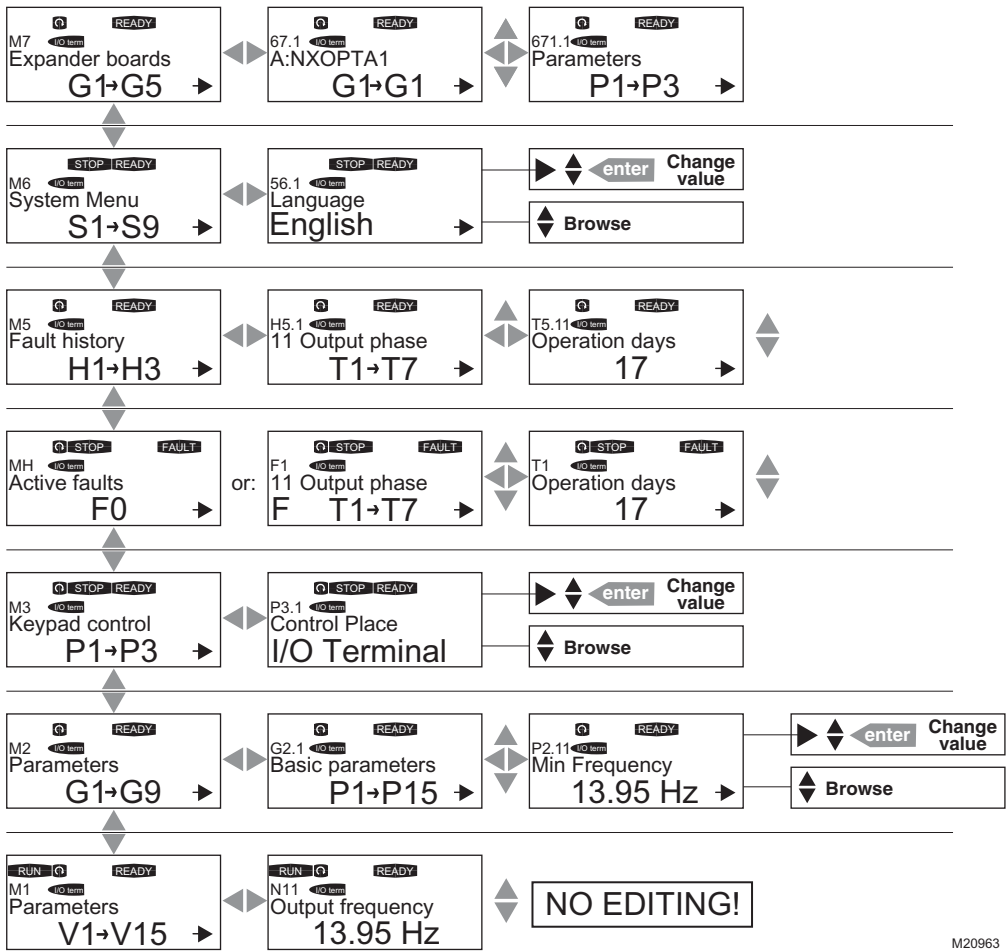
> NOTE: For closer information on language selection, see Chapter 7.3.6.

Application Selection
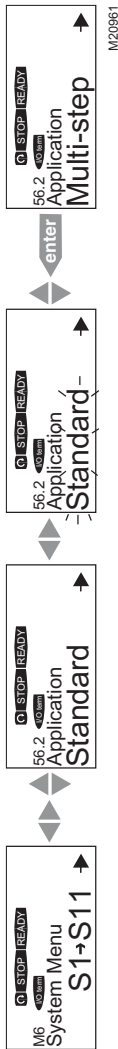
Language Selection

Fig. 1. Control panel menus.

IMPORTANT

> *There are some special functions that can be performed when in the M3 (Keypad Control) menu:*

— *Select the keypad as the active control place by keeping the START button pushed down for 3 seconds when the motor is running. The keypad will become the active control place and the current frequency reference and direction will be copied to the keypad.*
— *Select the keypad as the active control place by keeping the STOP button pushed down for 3 seconds when the motor is stopped. The keypad will become the active control place and the current frequency reference and direction will be copied to the keypad.*
— *Copy the frequency reference set elsewhere (I/O, fieldbus) to the panel by keeping the ENTER button pushed down for 3 seconds.*
— *Note that if you are in any other than M3 menu these functions will not work.*
— *Note that if you are in some other than M3 menu and try to start the motor by pressing the START button when the keypad is not selected as the active control place you will get an error message Keypad Control NOT ACTIVE.*

NOTES:
— By default, the motor can be stopped at all times by pushing the STOP button regardless of the selected control place.
— This default setting can be inactivated by giving parameter Stop Button Activated (P3.4 or P3.6) (menu M3) the value 0.
— With this 0 value given to the parameter, pushing the STOP button stops the motor only when the keypad has been selected as the active control place.

Table 1. Faults and Fault Codes.

Code	Fault
1	Overcurrent
2	Overvoltage
3	Earth fault
5	Charging switch
6	Emergency stop
7	Saturation Trip
8	System fault
9	Undervoltage
10	Input line supervision
11	Output phase supervision
12	Brake chopper supervision
13	Frequency converter under-temperature
14	Frequency converter overtemperature
15	Motor stalled
16	Motor overtemperature
17	Motor underload
22	EEPROM checksum fault
24	Counter fault
25	Microprocessor watchdog fault
26	Start-up prevented
29	Thermistor fault
31	IGBT temperature (hardware)
32	Fan cooling
34	CAN bus communication
36	Control unit

Table 1. Faults and Fault Codes. (Continued)

37	Device change
38	Device added
39	Device removed
40	Device unknown
41	IGBT temperature
42	Brake resistor
43	Encoder fault
44	Device change (default paramater)
45	Device added (default paramater)
50	Analog input I_{in} < 4 mA (selected signal range 4 to 20 mA)
51	External fault
52	Keypad communication fault
53	Fieldbus fault
54	Slot fault

Honeywell