



## **P1 Quick Start**

AA101 – Frequency (Speed) Source (default 01  
Analog Input 1)

AA111 – Run Command Source (default 0  
Terminal FW/RV) [2 wire control]

AA115 – Stop Mode Selection (default 00)

Hb102 – Motor Capacity in kilowatts (default NA)

Hb103 – Motor Poles (default 4 poles)

Hb104 – Base Frequency (default 60Hz)

Hb105 – Maximum Frequency (default  
60Hz)

Hb106 – Motor Voltage

Hb108 – Motor Current in Amps

FA-01 – Keypad Speed Setting (default 00.00)

FA-10 – Acceleration Time (default 30 seconds)

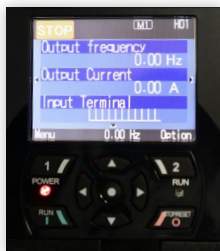
FA-12 – Deceleration Time (default 30 seconds)

# To Enter Programming Mode and Use the P1 Keypad for Programming

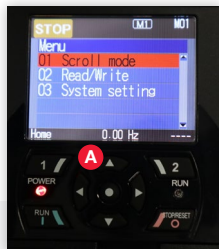
## KEYPAD FUNCTIONS

The top buttons numbered 1 and 2 are soft keys as they change functions with different programming screens.

- A** The direction pad is used to navigate through parameters
- B** The center of the direction pad is the Enter key (o)
- C** Run is the Green bottom left key
- D** Stop is the Red bottom right key



Now you are ready to program your P1 drive.



# To Set the Motor Data

The parameters are grouped together intuitively for simple programming.

- 1** Press the 1 (Menu) soft key to enter Programming Mode
- 2** Press enter to select Scroll Mode
- 3** Press down until H: Motor Control is reached
- 4** Press the enter key
- 5** Press the 2 (Next Gr.) soft key until Hb parameters are reached. If you go too far, keep pressing the 2 key and the parameter list will swing back around to the HA group
- 6** Enter the motor data in the parameters listed below

- Hb102- Motor Capacity (kw)

- Hb103- Motor Poles

- Hb104- Base Frequency (Hz)

- Hb105- Max Frequency (Hz)

- Hb106- Motor Voltage (VAC)

- Hb108- Motor Current (Amps)

- 7** Press 2 (Save) soft key to save the data for each parameter.

**BE SURE TO PRESS 2 (SAVE) SOFT KEY TO SAVE THE DATA TO EEPROM**



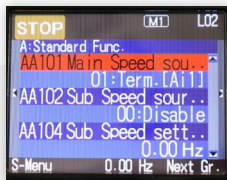
## To Set the Speed Reference

- 1 Press the 1 (Menu) soft key to enter Programming Mode
- 2 Press enter to select Scroll Mode
- 3 Press down until A: Standard Functions is reached
- 4 Press the enter key
- 5 Press enter to select parameter AA101
- 6 Select the speed reference from the options below

1- Analog Input 1 (Ai1)	9- Option 1
2- Analog Input 2 (Ai2)	10- Option 2
3- Analog Input 3 (Ai3)	11- Option 3
4- Analog Input 4 (Ai4)	12- Pulse Train (In)
5- Analog Input 5 (Ai5)	13- Pulse Train (Opt)
6- Analog Input 5 (Ai6)	14- EzSq (Easy Sequence Programming)
7- Keypad (parameter FA-01)	15- PID
8- RS485 (Modbus communication)	16- VR (Potentiometer on Keypad)

- 7 Press 2 (Save) soft key to save the data

**BE SURE TO PRESS 2 (SAVE) SOFT KEY TO SAVE THE DATA TO EEPROM**



## To Set the Run Command Source

- 1 Press the 1 (Menu) soft key to enter Programming Mode
- 2 Press enter to select Scroll Mode
- 3 Press down until A: Standard Functions is reached
- 4 Press the enter key
- 5 Press down key until AA111 is reached
- 6 Press enter to select parameter AA111
- 7 Now you can select the Run Command Source from the options below

0- Terminal (FW)/ (RV)	4- Option-1
1- 3 Wire	5- Option-2
2- Runkey (Keypad)	6- Option-3
3- RS485	

- 8 Press 2 (Save) soft key to save the data

**BE SURE TO PRESS 2 (SAVE) SOFT KEY TO SAVE THE DATA TO EEPROM**

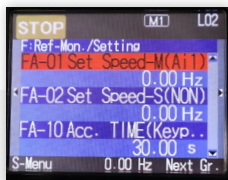


## To Set the Speed in Hz Using the Keypad Parameters

- 1 Press the 1 (Menu) soft key to enter Programming Mode
- 2 Press enter to select Scroll Mode
- 3 Press down until F: Ref-Mon./Setting is reached
- 4 Press the enter key
- 5 Press enter to select parameter FA-01
- 6 Now you can select the Running speed using the Direction keys on the direction keypad
- 7 Press 2 (Save) soft key to save the data

This parameter can be changed while the motor is running or stopped

**BE SURE TO PRESS 2 (SAVE) SOFT KEY TO SAVE THE DATA TO EEPROM**



## To Set the Acceleration and Deceleration Times

- 1 Press the 1 (Menu) soft key to enter Programming Mode
- 2 Press enter to select Scroll Mode
- 3 Press down until F: Ref-Mon./Setting is reached
- 4 Press the enter key
- 5 Press the down key until FA-10 (Acceleration) or FA-12 (Deceleration) is reached
- 6 Press enter to select parameter FA-10 for Acceleration or FA-12 for Deceleration
- 7 Now you can adjust the Accel/Decel time using the Direction keys on the direction keypad
- 8 Press 2 (Save) soft key to save the data

**BE SURE TO PRESS 2 (SAVE) SOFT KEY TO SAVE THE DATA TO EEPROM**



## To Set the Stop Mode

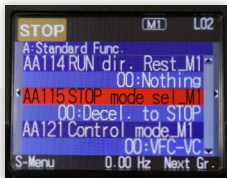
- 1 Press the 1 (Menu) soft key to enter Programming Mode
- 2 Press enter to select Scroll Mode
- 3 Press down until A: Standard Functions is reached
- 4 Press the enter key
- 5 Press the down key until AA115 is reached
- 6 Press enter to select parameter AA115
- 7 Now you can select the Stop Mode from the options below

0- Decel. To STOP

1- Free run STOP

- 8 Press 2 (Save) soft key to save the data

**BE SURE TO PRESS 2 (SAVE) SOFT KEY TO SAVE THE DATA TO EEPROM**



### TECH SUPPORT

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