

HITACHI
Inspire the Next

Quick Start Essential Parameters



WJ200 Quick Start

b037 – Unlocks parameters (default 04)

A001 – Frequency (Speed) Source (default 02)

A002 – Run Command Source (default 02)

b012 – Motor nameplate current (default varies)

b091 – Stop Mode (default 00)

H004 – Motor nameplate poles (default 4 poles)

F001 – Keypad Speed setting (default 00.00)

F002 – Acceleration time (default 10 seconds)

F003 – Deceleration time (default 10 seconds)

To Unlock All the Parameters

- 1 Press ESC to enter programming mode
- 2 Press ESC until parameter b001 is on the display of your drive
- 3 Press the UP key until b037 is reached
- 4 Then press the SET key to enter the b037 parameter
- 5 Now you can change the 04 to 00 using the down key
- 6 Press the SET key to save the data

Now you have unleashed your WJ200 drive!



To Set the Motor Current

- 1 Press ESC to enter programming mode
- 2 Press ESC until parameter b001 is on the display of your drive
- 3 Press the UP key until b012 is reached
- 4 Then press the SET key to enter the b012 parameter
- 5 Now you can set your motor nameplate current using the UP and Down keys
- 6 Press the SET key to save the data



To Set the Motor Poles

- 1 Press ESC to enter programming mode
- 2 Press ESC until parameter H001 is on the display of your drive
- 3 Press the UP key until H004 is reached
- 4 Then press the SET key to enter the H004 parameter
- 5 Now you can set the motor poles based on the speed of your motor
- 6 Press the SET key to save the data

Motor poles = $120 \times 60 / \text{synchronous speed}$
(1200, 1800, 3600 RPM)



To Set the Speed Reference

- 1 Press ESC to enter programming mode
- 2 Press ESC until parameter A001 is on the display of your drive
- 3 Then press the SET key to enter the A001 parameter
- 4 Select the speed reference from the options below

00- To use the Keypad Potentiometer

01- Analog input (0-10Vdc, or 4-20mA) from the terminals

02- When using the Keypad set the speed with parameter F001

03- When setting the speed via Modbus communication network

04- Option card used for speed

06- If your application is using a pulse train input

07- When setting the speed via the Easy Sequence programming

10- When the speed is a result of an operation used in your drive programming

- 5 Press the SET key to save the data



To Set the Run Command Source

- 1 Press ESC to enter programming mode
- 2 Press ESC until parameter A001 is on the display of your drive
- 3 Press the UP key until A002 is reached
- 4 Then press the SET key to enter the A002 parameter
- 5 Now you can select the run command source from the options below

01- To use the digital input via the terminals

02- When your application calls for using the Keypad for run command

03- Use this option when commanding your drive to run via your Modbus communication network

04- Option card used for run

- 6 Press the SET key to save the data



To Set the Frequency or Speed

- 1 Press ESC to enter programming mode
- 2 Press ESC until parameter F001 is on the display of your drive
- 3 Then press the SET key to enter the F001 parameter
- 4 Now you can adjust the speed of your drive based on your application
- 5 Press the SET key to save the data

F001 parameter can be adjusted with your drive stopped or running.



To Set the Acceleration Time

- 1 Press ESC to enter programming mode
- 2 Press ESC until parameter F001 is on the display of your drive
- 3 Press the UP key until F002 is reached
- 4 Then press the SET key to enter the F002 parameter
- 5 Now you can adjust the acceleration time of your drive based on your application. The time is adjusted using the UP and Down keys
- 6 Finally, press the SET key to save the data



To Set the Deceleration Time

- 1 Press ESC to enter programming mode
- 2 Press ESC until parameter F001 is on the display of your drive
- 3 Press the Up key until F003 is reached
- 4 Then press the SET key to enter the F003 parameter
- 5 Now you can adjust the deceleration time of your drive based on your application. The time is adjusted using the UP and Down keys
- 6 Press the SET key to save the data



To Set the Stop Mode

- 1 Press ESC to enter programming mode
 - 2 Press ESC until parameter b001 is on the display of your drive
 - 3 Press and hold the UP key until b091 is reached
 - 4 Then press the SET key to enter the b091 parameter
 - 5 Now you can select the Stop Mode from the options below
- 00- decelerate to stop
(controlled stop)

01- free run stop
(coast)
- 6 Press the SET key to save the data



TECH SUPPORT

980-500-7141

WEBSITE

www.hitachi-america.us/ice/inverters

EMAIL

inverterinfo@hal.hitachi.com

SCAN THIS QR CODE
to access the manual
or register your
product for warranty