

HITACHI



WJ-C1

Quick Start Guide: ***Extended Mode***

Quick Start Essential Parameters

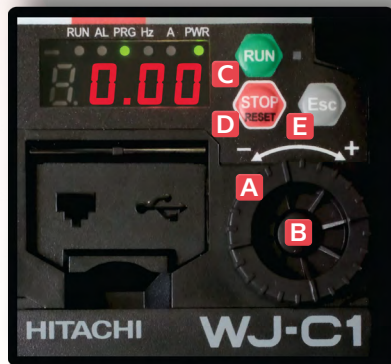
- AA101:** Frequency (Speed) Source (default 07 Keypad [parameter FA-01])
- AA111:** Run Command Source (default 02 Keypad [Run Key])
- AA115:** Stop Mode Selection (default 00 [Decelerate to Stop])
- Hb102:** Motor Capacity in kilowatts
- Hb103:** Motor Poles (default 4 poles)
- Hb104:** Base Frequency (default 60Hz)
- Hb105:** Maximum Frequency (default 60Hz)
- Hb106:** Motor Voltage
- Hb108:** Motor Current in Amps
- FA-01:** Keypad Speed Setting (default 0.00)
- FA-10:** Acceleration Time (default 10 seconds)
- FA-12:** Deceleration Time (default 10 seconds)

Entering Programming Mode Using the C1 Keypad

Keypad Functions:

The keypad provides an easy to use, interactive way to access and enter the parameters.

- A** The JOG dial is used to navigate through parameters
- B** The center of the JOG dial is the ENTER key
- C** Run is the Green top key
- D** Stop/Reset is the Red bottom key
- E** ESC enters Programming Mode



How to Set the Motor Data

The motor parameters are grouped together intuitively for simple programming.

1. Press the ESC key to enter Programming Mode
2. Press ESC until the **HA-01** parameter is reached, then press the enter key
3. Rotate the JOG dial clockwise until the **Hb** parameters are reached
4. Enter the motor data in the parameters listed below

Hb102: Motor Capacity (kw)	Hb105: Max Frequency (Hz)
Hb103: Motor Poles	Hb106: Motor Voltage (VAC)
Hb104: Base Frequency (Hz)	Hb108: Motor Current (Amps)

5. Press the ENTER key to save the data for each parameter

Be sure to PRESS the ENTER key to SAVE THE DATA to EEPROM.

How to Set the Speed Reference

1. Press the ESC key to enter Programming Mode
2. Press the ESC key until parameter **AA101** is reached
3. Press the ENTER key
4. Select the speed reference from the options below

01: Analog Input 1 (Ai1)	12: Pulse Input
02: Analog Input 2 (Ai2)	14: EzSq (Easy Sequence Program)
07: Keypad (parameter FA-01)	15: PID
08: RS485 (Modbus Communication)	16: VR (Potentiometer on external Keypad)
09: Option	

5. Press ENTER to save the data



How to Set the Run Command Source

1. Press the ESC key to enter Programming Mode
2. Press ESC until parameter **AA101** is reached
3. Rotate the JOG dial until the **AA111** parameter is displayed
4. Press the ENTER key
5. Now you can select the Run Command source from the options below

00: Terminal 2-Wire
(FW) / (RV)

01: Terminal 3-Wire
(Start) / (Stop)

02: Run key (Keypad)

03: RS485 (Modbus
Communication)

04: Option

6. Press the ENTER key to save the data



How to Set the Speed in Hz Using the Keypad Parameters

1. Press ESC to enter Programming Mode
2. Press ESC until **FA-01** parameter is reached
3. Press the ENTER key
4. Adjust the speed by rotating the JOG dial clockwise (increase) and counterclockwise (decrease)
5. Press ENTER to save the desired speed

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



How to Set the Acceleration and Deceleration Times

1. Press ESC to enter Programming Mode
2. Press the ESC key until **FA-01** is reached
3. Rotate the JOG dial clockwise until **FA-10** (Acceleration) or **FA-12** (Deceleration)
4. Press ENTER to select the parameter
5. Adjust the Acceleration or Deceleration time using the JOG dial
6. Press ENTER to save the data



How to Set the Stop Mode

1. Press the ESC key to enter Programming Mode
2. Press the ESC key until parameter **AA101** is reached
3. Rotate the JOG dial until parameter **AA115** is reached
4. Press the ENTER key
5. Select the Stop Mode from the options below

00: Decelerate to STOP
01: Free Run to STOP

6. Press the ENTER key to save the data



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