CN1 Wires :

Pin	Name	Function	Note
5	ANAO+	Analog speed command input+	Connect to Analog input+
6	ANA0-	Analog speed command input-	Connect to Analog input-
13	DICOM	DICOM	Connect to 24V+
14	IN0	IN0 (SVON)	Connect to 0V
25	GND	GND	Analog GND (need to short to pin6)
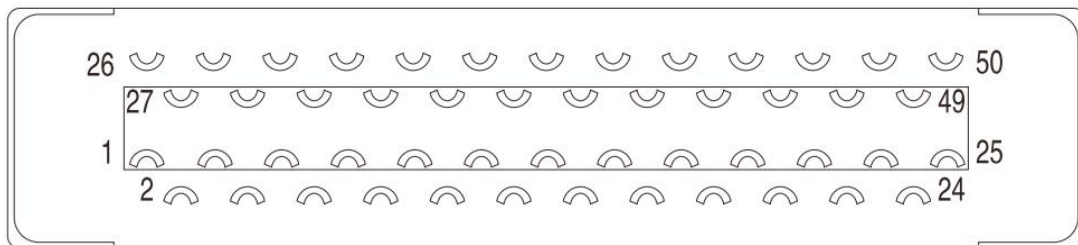
After correctly connecting the power supply cable, motor cable and encoder cable, power-on :

1. **If alarm A.810 appears, please follow the steps below to initialize the encoder:**

    Step1: Access to Fa008, then press "S"

    Step2: Press "UP" key till to L5

    Step3: Press "F" key, the display will blinking and then "donE" appears

    Step4: Press "S", then restart HSD7.

2. **After completing the above steps, and HSD7 has no alarm, set the following parameters:**

Parameter No.	Set Value	Note:
Pn000	0000	Speed control mode
Pn100	800	Adjust the gain parameters as needed
Pn101	2000	
Pn102	800	
Pn300	1000	10V corresponds to the rated speed of the motor
Pn50A	8801	Allow FWD&REV run, IN0 works as SVON
Pn50B	8888	

3. After the parameter setting is finished, restart again.

1、"bb" will appears after power on.

2、Enable SVON(IN0), "run" will appears and motor will be in excitation state.

3、The motor may rotate slowly after SVON. That is because there is a zero-offset, which needs to be adjusted.

There're two zero-offset adjustment method is as follows:

① ：Fn009（Automatic adjustment of analog input offset）

Disable SVON, giving 0V analog input：

Step1: Power, then press "F" key to Fa009

Step2: Press "S" and Press "F" key

Step3: Blinking "donE" appears means that the automatic adjustment is finished.

Step4: Press "S", then restart HSD7.

② ：Fn00A（Manually adjustment of analog input offset）

Disable SVON, giving 0V analog input：

Step1: Power, press "F" key to Fa00A

Step2: Press "S" twice, display the current value

Step3:Use the "UP" or "DOWN" keys to adjust the value to 0

Step4: Press "S", then restart HSD7.

4，SVON, Input the analog voltage, the motor will rotate accordingly.

For example:

PA300=1000，when analog input is 10V, motor will run with the rated speed.

5，Take rated speed is 1500rpm as example:

After giving the analog input,, monitor Un001 is the speed command corresponding to the analog, If the analog input is 1V, Un001 displays 150

The actual speed of the motor is monitored by Un000, it should be around 150 also.