

CV 7300 Inverter Quick Start Guide

This guide is to assist in installing and running the CV inverter to verify that the drive and motor are working properly. Starting, stopping and speed control will be from the keypad. For more advanced matters consult the 7300CV Full Instruction Manual downloadable from www.drivesdirect.co.uk.

Step 1 Before Starting the Inverter

- Check inverter and motor nameplates to determine that they have the same HP and voltage ratings. (Ensure that full load motor amps do not exceed that of the inverter.)
- Remove the terminal cover to expose the motor and power terminals.
 - a. Verify that AC power is wired to L1 for N and L3 for L.
 - b. Verify that Motor leads are connected to T1, T2, and T3.
(Any two of these leads may need to be reversed if motor rotation is not correct.)



1. **SEQ LED** : 1_00 =1, LED Lit.
2. **FRQ LED** : 1_01 = 1/2/3/4, LED Lit
3. **FWD LED** : Forward Direction, LED action(Flash in stop, Keep Lit in operation).
4. **REV LED** : Reverse Direction, LED action(Flash in stop, Keep Lit in operation).
5. **Four action of FUN, Hz/RPM, VOLT, AMP LED** and display of four 7-segment display, refer to operation description of the keypad.
6. **LCD keypad without FUN, Hz/RPM, VOLT, AMP LED.**

Step 2 Apply Power to the Drive

- Apply AC power to the Drive and observe Operator. Four 7-segment Display should read Power Voltage for 3~5 seconds and then read Frequency/Speed, 05.00. Four 7-segment Display and FWD LED should be flashed all the time.

Step 3 Check Motor Rotation Without Load

- Press RUN key (FWD LED should light); Four 7-segment Display should run from 00.00 to 05.00.
- Check motor rotation.
If it is not correct:
Press STOP key. Remove AC power. Wait for LED “charge” lamp to extinguish.
Reverse motor leads T1 and T2. Restart the drive and check new rotation.
- Press STOP key to stop the drive.

Step 4 Check Full Speed at 50Hz/60Hz

- Frequency/Speed can be changed by pressing the up or down Arrow keys. To move right or left for next digit, press SHIFT / RESET key. Press the READ / ENTER key to set the speed.
- Set frequency up to 50Hz/60Hz in accordance with the last rule.
- Press RUN key. Check drive acceleration to full speed.
- Press STOP key to stop drive and check deceleration.

Step 5 Other Operations

For information, see 7300CV Instruction Manual.

Please refer to the following pages:

Set Accel	p. 4-11
Set Decel	p. 4-11
Set Max Speed	p. 4-11
Set Min Speed	p. 4-11
Set Motor Rated Current	p. 4-9
Set Control Mode (Vector, V/F)	p. 4-7

If you need any assistance with the wiring or programming of your inverter please ring the Drives Direct technical help line on 01773 811038 or 07976 766538,

We are open from 10AM until 10PM and we welcome your call, it's all part of the service you get from Drives Direct Nottingham.