

SERVICE BULLETIN NO. 170

Setting of frequency inverter

Frequency inverter 0.37KW (20800211) can only be used for ovens with one motor.

Potentiometer settings:

Motor I NOM: 100%

ACC DEC: 6

Nom:0/nom

DIP switch settings:

All DIP switches must be set to the left except for ON SILENT which must be set to the right.

Frequency inverter 0.75KW (20800084) can be used for all sizes of oven.

Ovens with one motor:

Potentiometer settings:

Motor I NOM: 50%

ACC DEC: 6

Nom:0/nom

DIP switch settings:

All switches must be set to the left except for ON SILENT which must be set to the right.

Ovens with two motors:

Potentiometer settings:

Motor I NOM: 100%

ACC DEC: 6

Nom:0/nom

DIP switch settings:

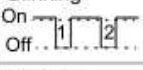
All switches must be set to the left except for ON SILENT which must be set to the right.

Status indications and fault tracing

ACS50 has two status indication LEDs, visible through the front cover.

If the drive detects a problem, the red LED will blink. After fixing the problem, reset by switching the start signal off. If start is off already, turn it first on and then off again.

See the table below for the fault codes (= the number of LED blinks).

Green LED	Red LED	Description
On	Off	ACS50 operates normally.
On	Blinking On  Off	Protective function has been activated. Number of blinks indicates the fault code.
Blinking	Blinking	ACS50 will reset automatically within 3 seconds. (*) Warning! Motor starts, if start signal is on.

# Possible causes and what to do	# Possible causes and what to do
1 DC overvoltage (*). 1) Mains voltage is too high: Check supply. 2) Deceleration ramp time is too short compared to the load inertia: Increase ACC/DEC time with potentiometer.	6 Analogue input value is less than 4 mA/2 V. (*) Note: This supervision is active if AI OFFSET is ON.
2 DC undervoltage (*). Mains voltage is too low: Check supply.	7 Motor overload (I^2t overload): 1) Check the load, and verify that the motor size is suitable for ACS50. 2) Verify that setting of MOTOR I NOM potentiometer is correct.
3 Output short circuit: Switch off the power and check the motor windings and motor cable.	8 Inverter overload or excessive internal temperature: 1) Load is too high or 2) drive cooling is insufficient.
4 Output overcurrent. 1) Acceleration time is too short compared to the load inertia: Increase ACC/DEC time with potentiometer. 2) Motor and drive sizes do not match: Check motor.	9 Other fault. Internal error. Turn power off and on again. If problem persists, replace the unit.
5 Reserved	

(*) Automatically reset if the AUTORESET is ON.

Best regards

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