

ABB ACS 150

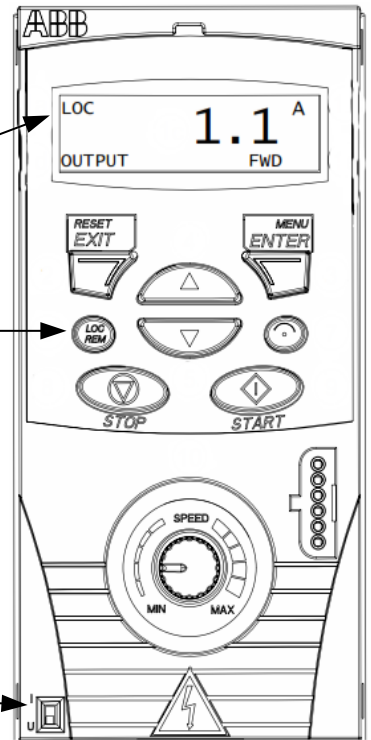


Quick guide for frequency inverter setup.

If Multibox II is used, control mode is set at "REM".

"LOC" = Control using front panel.
"REM" = External PID control.

"AI" adjustment type is set to "U" on the micro switch (0-10V)



Access parameter list.



Press menu and select Par L



Now it is possible to scroll through the parameter list using arrows. (Shown: example)



Motor data setup

Setup the motor's rated voltage as indicated on the motor label. For example 400V

LOC	9905	S
	PAR	FWD

Setup the motor's rated current as indicated on the motor label. For example 2,6A

LOC	9906	S
	PAR	FWD

Setup the motor's rated frequency as indicated on the motor label. For example 50Hz

LOC	9907	S
	PAR	FWD

Setup the motor's rated speed as indicated on the motor label. For example. 2830 rpm

LOC	9908	S
	PAR	FWD

Setup the motor's rated power consumption as indicated on the motor label. For example 4Kw

LOC	9909	S
	PAR	FWD

Operation Limits

Setup the allowed current. In many cases the same as indicated on the label on the motor. For example. 2,6A

LOC	2003	S
	PAR	FWD

Setup minimum frequency.
Set at 15Hz. If set lower, both fan and frequency inverter may suffer damage.

LOC	2007	S
	PAR	FWD

Set max. frequency.
Set at max allowed frequency for the current fan.

LOC	2008	S
	PAR	FWD

Ramp time setup.

Setup ramp up time.
Normally about 20 seconds.

(Ramp time correlates with fan size – the larger the fan, the longer the ramp time)

LOC	2202	S
	PAR	FWD

Setup ramp down time.
Normally about 50 seconds

(Ramp time correlates with fan size – the larger the fan, the longer the ramp time)

LOC	2203	S
	PAR	FWD

Setup max reference.

Setup the value(Hz) of max reference voltage (10V).
If you want the fan to run at for ex. 55Hz set it at 55Hz.
(If you do not set this parameter the fan will not run faster than 50Hz)

LOC	1105	S
	PAR	FWD

This is a quick guide for setting up the frequency inverter with the minimum required settings.
These settings apply to a typical Geovent product constellation, and are not directly applicable for use with other products.
For settings of other parameters/macros and detailed explanation hereof, see the instructions manual from ABB.