

SB, Frequency Converter, T8600F, 2020-01

SYMPTOM/DESCRIPTION

When installing a new frequency converter (592110201) in a T8600F the parameters need to be set manually.

CORRECTIVE ACTION

Use the parameter list attached in this document.

Parameters set for frequency inverter SV075iG5A-4 7,5 kW:

1	ACC = 20 [s]
2	dEC = 30 [s]
3	drv = 1
4	F21 = 60 [Hz]
5	F22 = 50 [Hz]
6	F24 = 1
7	F25 = 60 [Hz]
8	F30 = 2
9	F31 = 12,5 [Hz]
10	F32 = 25 [%]
11	F33 = 25 [Hz]
12	F34 = 50 [%]
13	F35 = 37,5 [Hz]
14	F36 = 75 [%]
15	F37 = 50 [Hz]
16	F38 = 100 [%]
17	F39 = 110 [%]
18	F50 = 1
19	F51 = 150 [%]
20	F52 = 100 [%]
21	F53 = 0
22	F56 = 1
23	H30 = 7,5 [kW]
24	H31 = 2
25	H32 = 2,83 [Hz]
26	H33 = 14,8 [A]
27	H34 = 7,4 [A]
28	H36 = 88 [%]
29	H72 = 0
30	OPERATING FREQUENCY = 60 [Hz]

PROCEDURE

For instructions on how to navigate the frequency converter menu, refer to the attached excerpt from the supplier's manual. For further information refer to the complete frequency manual on the supplier website:

https://www.lsis.com/products/view/Smart_Automation_Solution/Inverter_-*VFD*-/Low_Voltage_VFD/iG5A

WARRANTY INFORMATION

The normal warranty policy applies.

Revision History

<i>Rev.</i>	<i>Date</i>	<i>Order id.</i>	<i>Description</i>
<i>A</i>	<i>2020-01</i>	<i>SB-5194</i>	<i>Created</i>

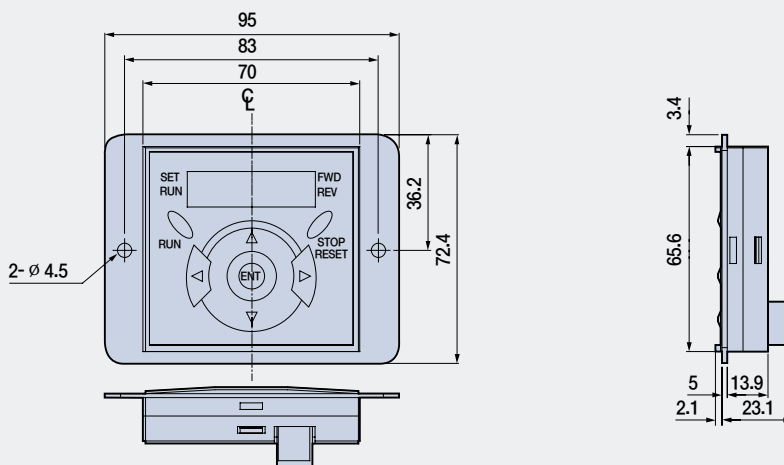
Keypad Features



	Display	Term	Description
KEY	RUN	Run key	Run command
	STOP/RESET	STOP/RESET key	STOP: Stop command during operation, RESET: Reset command when a fault occurs.
	▲	Up key	Used to scroll through codes or increase parameter value
	▼	Down key	Used to scroll through codes or decrease parameter value
	►	Right key	Used to jump to other parameter groups or move a cursor to the right to change the parameter value
	◄	Left key	Used to jump to other parameter groups or move a cursor to the left to change the parameter value
	●	Enter key	Used to set the parameter value or save the changed parameter value
LED ¹⁾	FWD	Forward run	Lit during forward run
	REV	Reverse run	Lit during reverse run
	RUN	Run key	Lit during operation
	SET	Setting	Lit during parameter setting

1) 4 LEDs above are set to blink when a fault occurs.

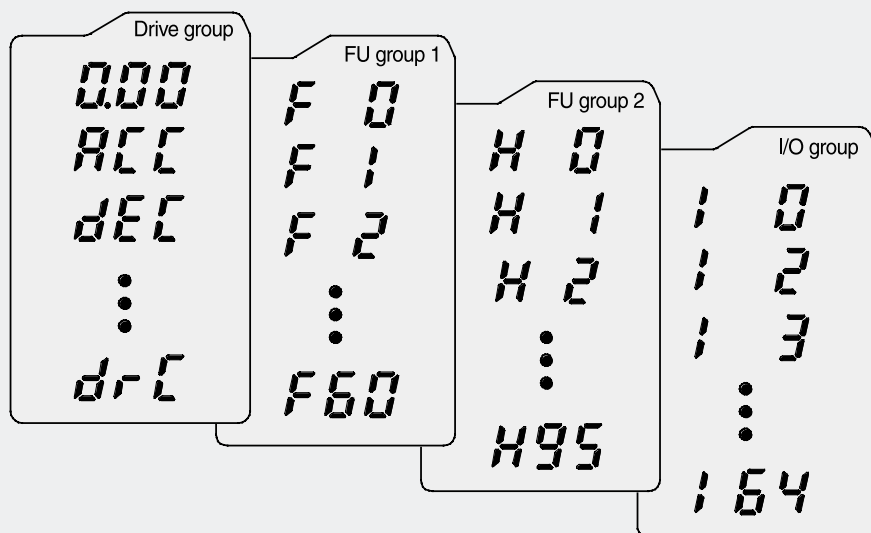
Dimensions



Moving to Other Groups

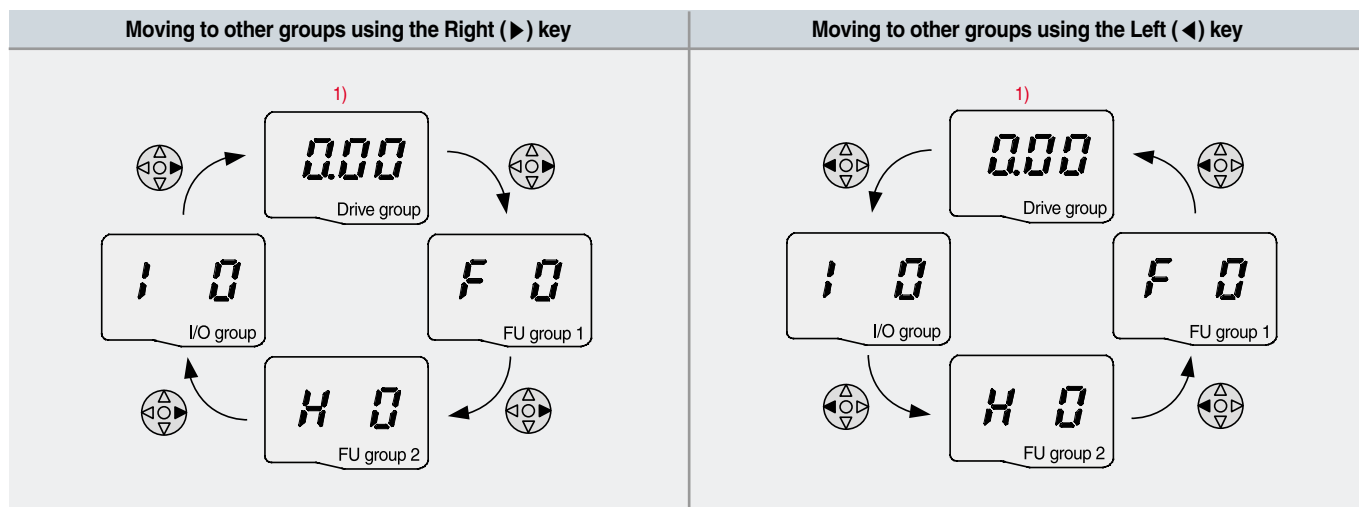
Parameter groups

There are 4 different parameter groups in iG5A series as shown below.



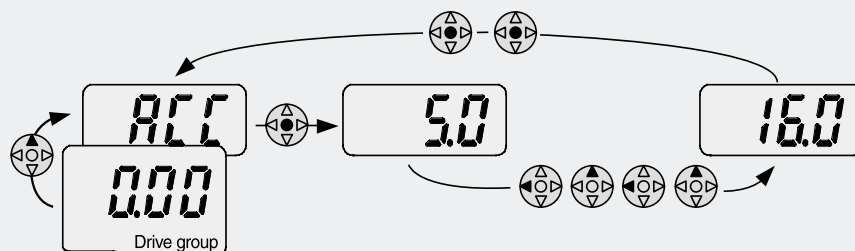
Parameter group	Description
Drive group	Basic parameters necessary for the inverter to run. Parameters such as Target frequency, Accel/Decel time settable.
Function group 1	Basic function parameters to adjust output frequency and voltage.
Function group 2	Advanced function parameters to set parameters for such as PID Operation and second motor operation.
I/O (Input/Output) group	Parameters necessary to make up a sequence using multi-function input/output terminal.

Moving to other groups



1) Target frequency can be set at 0.0 (the 1st code of drive group). Even though the preset value is 0.0, it is user-settable.
The changed frequency will be displayed after it is changed.

When changing ACC time from 5.0 sec to 16.0 sec



1		<ul style="list-style-type: none"> In the first code "0.00", press the Up (▲) key once to go to the second code.
2		<ul style="list-style-type: none"> ACC [Accel time] is displayed. Press the Ent (●) key once.
3		<ul style="list-style-type: none"> Preset value is 5.0, and the cursor is in the digit 0. Press the Left (◀) key once to move the cursor to the left.
4		<ul style="list-style-type: none"> The digit 5 in 5.0 is active. Then press the Up (▲) key once.
5		<ul style="list-style-type: none"> The value is increased to 6.0 Press the Left (◀) key to move the cursor to the left.
6		<ul style="list-style-type: none"> 0.60 is displayed. The first 0 in 0.60 is active. Press the Up (▲) key once.
7		<ul style="list-style-type: none"> 16.0 is set. Press the Ent (●) key once. 16.0 is blinking. ¹⁾ Press the Ent (●) key once again to return to the parameter name.
8		<ul style="list-style-type: none"> ACC is displayed. Accel time is changed from 5.0 to 16.0 sec.

1) Pressing the Left (◀)/Right (▶)/Up (▲)/Down (▼) key while a cursor is blinking will cancel the parameter value change.

Pressing the Ent (●) key in this status will enter the value into memory.

※ In step 7, pressing the Left (◀) or Right (▶) key while 16.0 is blinking will disable the setting.

Code change in Drive group

	1		<ul style="list-style-type: none"> In the 1st code in Drive group "0.00", press the Up (▲) key once.
	2		<ul style="list-style-type: none"> The 2nd code in Drive group "ACC" is displayed. Press the Up (▲) key once.
	3		<ul style="list-style-type: none"> The 3rd code "dEC" in Drive group is displayed. Keep pressing the Up (▲) key until the last code appears.
	4		<ul style="list-style-type: none"> The last code in Drive group "drC" is displayed. Press the Up (▲) key again.
	5		<ul style="list-style-type: none"> Return to the first code of Drive group.
<ul style="list-style-type: none"> Use Down (▼) key for the opposite order. 			