OPERATION USING THE KEYPAD.

Keys, Potentiometer, and LED on the Keypad.

As shown in the figure at right, the keypad consists of a four-digit LED monitor, a potentiometer (POT), and six keys.

The keypad allows you to start and stop the motor, monitor running status, and switch to the menu mode. In the menu mode, you may set the function code data, monitor I/O signal states, maintenance information, and alarm information.



Overview of Keypad Functions

Monitor, Potentiometer and Keys	Functions
60.00	Four-digit, 7-segment LED monitor which displays the following according to the operation modes *. ■ In Running mode: Running status information (e.g., output frequency, current, and voltage) ■ In Programming mode: Menus, function codes and their data ■ In Alarm mode: Alarm code which identifies the error factor if the protective function is activated.
	Potentiometer (POT) which is used to manually set frequency, auxiliary frequencies 1 and 2 or PID process command.
RUN	RUN key. Press this key to run the motor.
STOP	STOP key. Press this key to stop the motor.
∧ / ∨	UP/DOWN keys. Press these keys to select the setting items and change the function data displayed on the LED monitor.
PRG RESET	Program/Reset key which switches the operation modes* of the inverter. ■ In Running mode: Pressing this key switches the inverter to Programming mode. ■ In Programming mode: Pressing this key switches the inverter to Running mode. ■ In Alarm mode: Pressing this key after removing the error factor will switch the inverter to Running mode.
FUNC DATA	Function/Data key which switches the operation you want to do in each mode as follows: ■ In Running mode: Pressing this key switches the information displayed (output frequency (Hz), current (Amps) or voltage (V)). ■ In Programming mode: Pressing this key displays the function code and sets the data entered with the ∧ and ∨ keys or the POT. ■ In Alarm mode: Pressing this key displays information concerning the alarm code currently displayed on the LED monitor.

Keypad mounting instructions

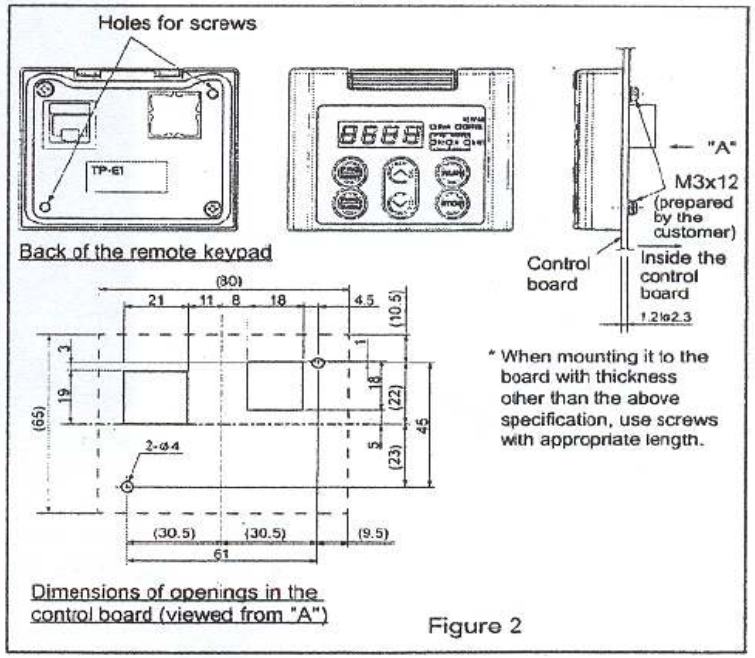


Figure 2

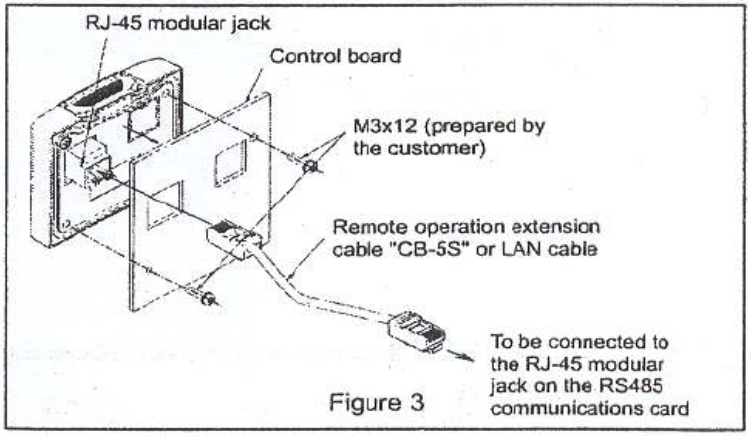


Figure 3

Simultaneous keying

Simultaneous keying means depressing two keys at the same time (expressed by "+"). Jaguar CUB supports simultaneous keying as listed below.

(For example, the expression "STOP + ∧ keys" stands for pressing the ∧ key while holding down the STOP key.)

Operation modes	Simultaneous keying	Used to:
Running mode	STOP + ∧ keys	Control entry to/exit from jogging operation.
Programming mode	STOP + ∧ keys	Change special function code data. (Refer to codes F00 and H03 in Chapter 5 "FUNCTION CODES.")
	STOP + ∨ keys	
Alarm mode	STOP + PRG/RESET keys	Switch to Programming mode without resetting the alarm.

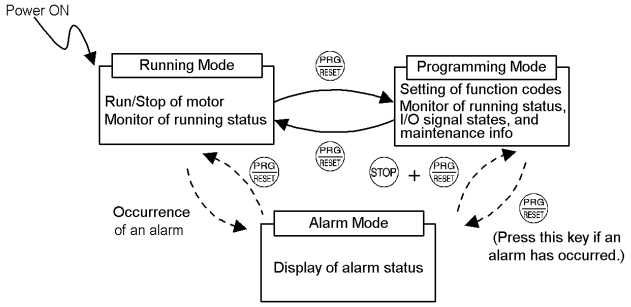
Overview of Operation Modes

Jaguar CUB features the following three operation modes:

- ■ Running mode : This mode allows you to enter run/stop commands in regular operation. You may also monitor the running status in realtime.
- ■ Programming mode : This mode allows you to set function code data and check a variety of information relating to the inverter status and maintenance.
- ■ Alarm mode : If an alarm occurs, the inverter automatically enters this Alarm mode in which the corresponding alarm code* and its related information may be displayed on the LED monitor.

* Alarm code: Shows the error factor that has activated the protective function. For details, refer to Chapter 8, Section 8.6 "Protective Functions."

Figure shows the status transition of the inverter between these three operation modes.



Status Transition between Operation Modes

3.1.1 Running Mode

If the inverter is turned on, it automatically enters Running mode in which you may:

(1) Run/stop the motor
(2) Set up the set frequency and others
(3) Monitor the running status (e.g., output frequency, output current)
(4) Jog (inch) the motor

📖 For details, refer to Section 3.3, "Operation in Running mode."