MITOS VT6 CONTROL MODES

Several control modes can be selected. MITOS VT6 can be used to start/stop the motor, change its direction, modify its speed, or else, simply used as a remote display with no inverter control capability. Refer to following table for selecting MITOS VT6 control mode depending on inverter model:

Model	VF-NC3	VF-S15	VF-AS3
Control mode	Cmod =2 Fmod ≠3	Cmod =2 Fmod ≠4	Cmod = 4 Fmod ≠ 21, 22
Frequency mode	Cmod ≠2 Fmod =3	Cmod ≠2 Fmod =4	Cmod ≠ 3, 4 Fmod = 22
Control + Frequency mode	Cmod =2 Fmod =3	Cmod =2 Fmod =4	Cmod = 4 Fmod = 22

On **VF-NC3** e **VF-S15**, set F802=1 and F829=1
On **VF-AS3**, set F802=1 and F827=1

CONFIGURATION MENU

By pressing these keys together at start up, the VT6 configuration menu is entered.

MENU CHOICES

Use arrow keys to move inside the Menu. Use the FWD and REV keys to make the selections and STOP/RESET key to exit the configuration menu.

With this menu is possible to select and monitor:

- **Enabling of FWD and REV keys**: Use the FWD/REV key to enable or disable one or both keys.
- **Transparent mode**: VT6 just used as display
- **Reset Frequency**: if ON and frequency control mode by VT6 is selected then the Set frequency is not automatically stored and every time inverter is OFF the frequency value is reset. If OFF, the last set frequency is always stored.
- **Select language** (English, Italian, Spanish, German, Russian)
- **Unit Selection** of standard display suffix (select between Hz, RPM, m/min, m/sec ---- “none”)
- **C Parameter:** The scaling factor of the output frequency (Freq.) shown on MITOS(0-200)
- **Indication of Software release**

MITOS VT6 MONITOR

This is the **standard monitor display** for VT6.

If inverter is in RUN mode (motor running) the standard monitor display will show an animated arrow (↺) on the top right-hand corner. The arrow will turn CW if the inverter receives a RUN FWD command and will turn CCW if the inverter receives a RUN REV command.

By pressing MON key the second line item can be changed between several variables:
output frequency, reference frequency, output current, input voltage, output voltage, last 4 alarms, total working time.

In **“standard monitor display”**, if the VT6 is in frequency control mode and transparent mode is not active, the inverter output frequency can be changed directly by pressing: 

MITOS

VT6 rev.4.0

Advanced control panel for
Toshiba - inverters

- **Multilanguage capability**
- **RS485 and TTY selectable interface**
- **Customizable front layout**
- **Suitable for inverter control and monitoring**

SAFETY INFORMATIONS

Mandatory

Please read this instruction manual before starting connection and operation of MITOS-VT6

Warning

Please always give this manual to the end user of the MITOS-VT6 panel.

Danger

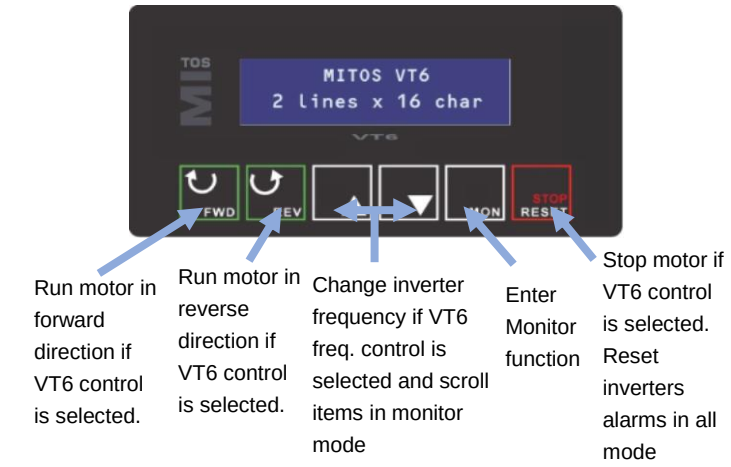
Every time that a command is transferred from MITOS-VT6 panel to the Inverter, it is automatically stored into Inverter memory. If the connection cable between MITOS and Inverter is damaged, it will be impossible to keep the Inverter control (and stop the motor too). ALWAYS use safety devices to STOP the motor in emergency conditions

General Cautions

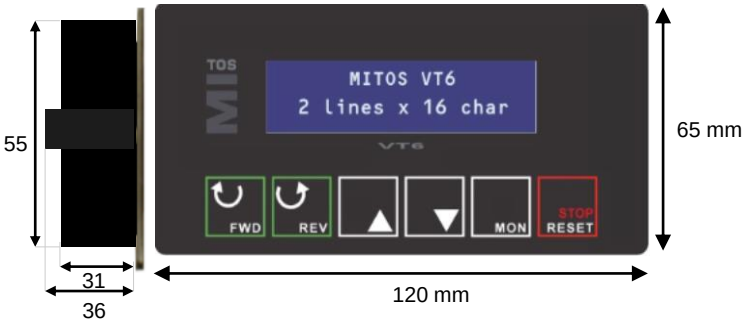
MITOS-VT6 keypad can't be used in any device that could create danger to the human body or from which malfunction or incorrect operation would present direct threat to human life.

MITOS-VT6 keypad has been manufactured under strict quality controls. however, if it is used in critical equipment, where an error or a malfunction would cause serious accidents to persons or to the machine, safety devices MUST be installed on the equipment.

This manual could be subject to modifications without prior notice.

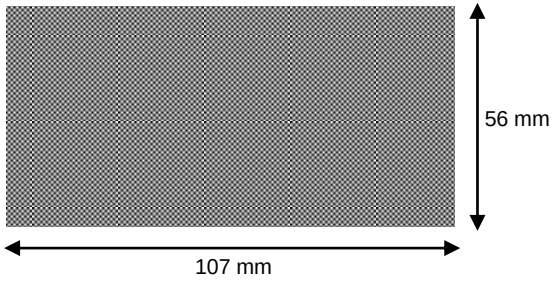


OUTLINE DRAWING



External dimensions are exactly same of MITOS of the previous model VT5.

PANEL CUT DIMENSIONS



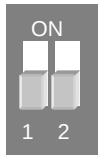
COMPATIBILITY

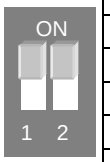
MITOS VT6 can be connected to following Inverters

TOSHIBA:
VF-NC3, VF-S11, VF-S15, VF-MB1, VF-FS1, VF-AS1, VF-PS1, VF-AS3.

CONNECTION

Connection type can be selected by switches on the back of the MITOS VT6 as shown below:

RS485	VF-NC3	
	VF-S15	
	VF-MB1	
	VF-FS1	
	VF-AS3	
	VF-PS1	
	VF-AS1	

TTL	VF-S11
	

TOSHIBA:
Connection is made through standard 8 pin RJ45 "pin to pin" cable.