



### Features:

- 1.16-bit microprocessor controlled SVPWM output.
- 2.Low noise ; carrier frequency up to 10kHz.
- 3.Controlled reversing.
- 4.2 inputs and 1 output terminal for external controls.
- 5.Adjustable V/F curve.
- 6.Adjustable accel / decel time.
- 7.RS-485 communication (Baud rate 9600).
- 8.Option: Programmable Keypad (VFD-PU02).



Suitable for under 100W/3-phase AC motor drive

### Function Display



Operation Setting DIP switch

Accel/Decel time knob

L1,L2 (L,N) AC Input

U, V, W (T1, T2, T3) Motor Connections

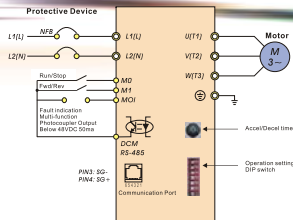
Communication Port

External Terminals

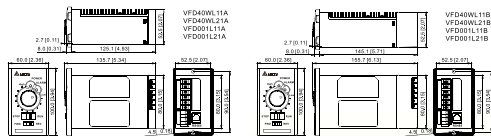
### Installation Method



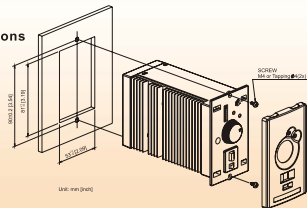
### Wiring



### Dimensions



### Installation Dimensions



Built-in Modbus Communication

	115V		230V	
<b>Voltage</b>	115V		230V	
Model Number VFD-□□□□ LK1A/B	40W 001	60/100	40W 001	60/100
Max. Applicable Motor Output(w)	25/40	60/100	25/40	60/100
<b>Output Rating</b>	115V		230V	
Rated Output Capacity (VA)	106/152	212/303	106/152	212/303
Rated Output Current (A)	0.28/0.4	0.56/0.8	0.28/0.4	0.56/0.8
Max. Output Voltage (V)	3Phase Double the Input Voltage		Proportional to Input Voltage	
Rated Frequency (Hz)	1.00 to 120.00 Hz			
<b>Input Rating</b>	115V		230V	
Rated Voltage/Frequency	Single-phase 100 to 125 VAC, 50/60 Hz		Single-phase 200 to 240 VAC, 50/60 Hz	
Voltage/Freq. Tolerance	Voltage:±10%, Frequency:±5%			
Rated Current (A)	1.1A	1.5A	2.2A	3.0A
			0.5A	0.7A
			1.0A	1.4A
<b>Control Characteristics</b>	SVPWM (Space Vector Pulse Width Modulation, carrier frequency 10kHz)			
Control Systems	SVPWM (Space Vector Pulse Width Modulation, carrier frequency 10kHz)			
Torque Setting	High/Low, Switching			
Overload Endurance	150% of rated current for 1 minute			
Accel/Decel Time	0 to 30.0 seconds			
<b>Operating Characteristics</b>	Frequency Setting			
	Potentiometer			
Operation Setting Signal	Panel	RUN/STOP, FORWARD/REVERSE		
	Ext. Terminal	RUN/STOP, FORWARD/REVERSE, RS-485		
Output Indication	Panel	Fault Indication (LED Flash)		
	Ext. Terminal	Fault Indication (Open Collector)		
Protection	Self-testing, OverVoltage, OverCurrent, UnderVoltage, Overload, Overheating, Electronic thermal			
Other	EMI Filter Built in for Frame B			
Cooling	Natural air-cooling			
<b>Environment</b>	Altitude 1,000 m or lower, keep from corrosive gasses, liquid and dust			
Installation Location	Altitude 1,000 m or lower, keep from corrosive gasses, liquid and dust			
Ambient Temperature	-10°C TO 40°C (Non-Condensing and not frozen)			
Storage Temperature	-20°C TO 60°C			
Ambient Humidity	Below 90% RH (non-condensing)			
Vibration	0.060mm/s <sup>2</sup> (1G) less than 20Hz, 0.06mm/s (0.6G) at 20 to 60Hz			

\*We reserve the right of this catalogue contained information change without prior notice.