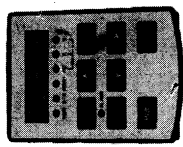
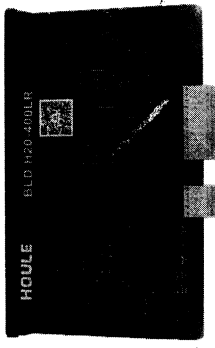


# Low-voltage Brushless Dc Motor Driver Quick Guide



BLD.H20-400LR

External keyboard  
(optional)

## > Functions And Features

- Wide voltage: 24V~48V
- Wide current output range: 3.0A~15A. The current limiting output value can be adjusted by knob.
- Multiple mode of operation: open loop, closed loop (control accuracy ±0.5%).
- Multiple command given: Multi-function input terminal control (NPN input); 485 standard Modbus RTU communication control; External keyboard control.
- Multiple speed settings: Built-in knob; External analog voltage or PWM (0-5V); 0-20KHz frequency setting; Communication setting; Keyboard setting; Multi-stage velocity setting; Simple PLC setting.
- Acceleration/deceleration control: from 0.3s to 10s. Can be adjusted by knob, communication and keyboard.
- Electronic braking function: To achieve fast electromagnetic braking.
- Multi-function input interface: 5 digital input (NPN and PNP), users can customize through the keyboard as: CW, CCW, jog, free stop, electronic brake, multi-stage velocity etc.
- Multi-function output interface: 2 digital output (open collector output), users can customize through the keyboard as: in-operation, malfunction, speed output, overload warning, virtual terminal output etc.
- Complete fault detection and protection function: It can detect variety faults such as undervoltage, over-voltage, over-current, overload, locked-rotor, short circuit, phase loss. After the fault occurs, the drive takes protection actions based on the fault type. The fault information can be displayed by LED light or keyboard.

\* The functions of keyboard control, multi-function input, multi-function output, multi-stage velocity, simple PLC cannot be used without external keyboard accessory.

## > Description Of Mode

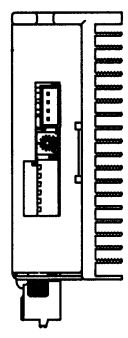
BLD – H20 – 400 L R

1 2 3 4 5

1	For motor type	BLD: For brushless DC motor				
2	Series NO.	H10: H10 series H20: H20 series				
3	Motor power	40: 40W	60: 60W	120: 120W	250: 250W	400: 400W x: x W
4	Input voltage	L: Low-voltage DC24V~48V L1: DC12V L2: DC24V L3: DC36V 36V				
5	Attributes	L4: DC48V H: High-voltage AC220V				
		D: Digital display R: With 485 communication				
		C: With the CAN communication				

## > Overall Dimension

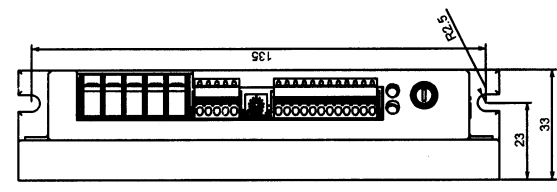
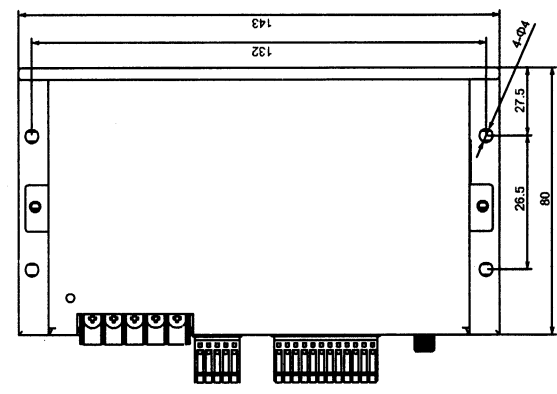
Unit: mm



## > Environment Requirement

Temperature	-10℃~+40℃ (Frostless)
Humidity	Under 85% (Frostless)
Altitude	Under 1000m
Vibration	Do not apply continuous vibration or excessive shock
IP Level	IP20

安裝方式:  
掛壁式安裝



\* Do not use in explosive environment, combustible gas environment, corrosive environment, water contact places and near combustible materials, in case of explosion, injury and fire