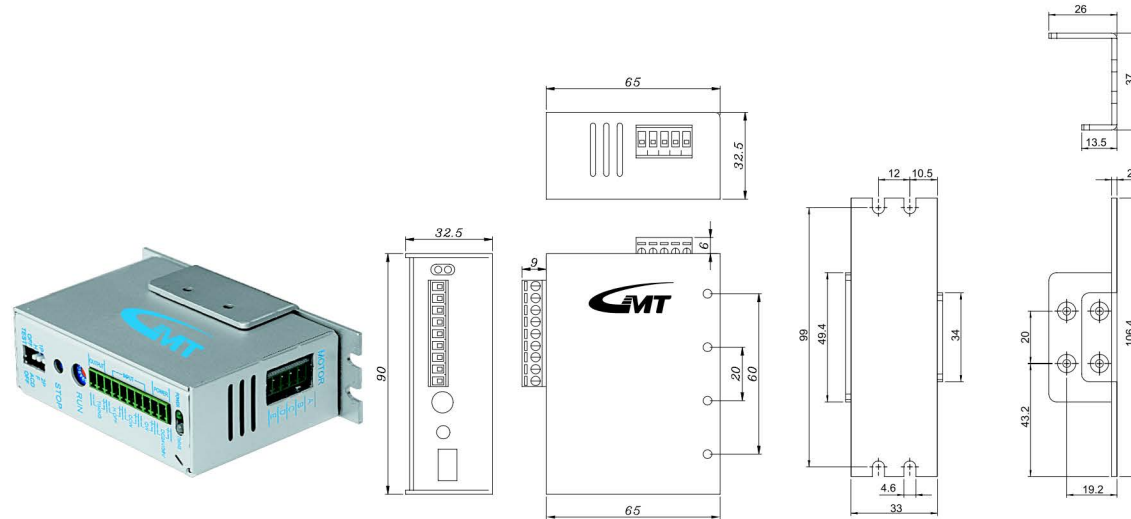
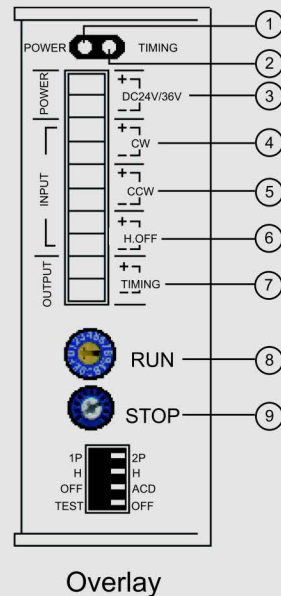


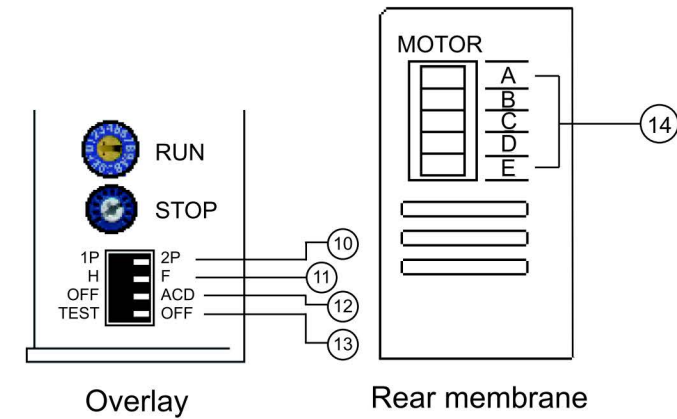
5-Phase Half / Full Stepper Motor Driver GTR515B



Features



No.	Item	Types	Description
1	POWER	LED	Power indicator light on
2	TIMING	LED	Phase original indicator light
3	DC24V/36V	I	Power + input Power ground input
4	CW	I	2 pulse : CW pulse signal input 1 pulse : pulse input
5	CCW	I	2 pulse : CCW pulse signal input 1 pulse : Running direction control
6	H.OFF	I	Holding torque relieved
7	TIMING	O	Phase original of magnetizing current output
8	RUN	SW	Running current adjustment
9	STOP	VR	Stop current adjustment



No.	Item	Types	Description
10	1P / 2P	SW	Pulse input type
11	H / F	SW	Stepper angel switch
12	OFF / ACD	SW	Auto current drop
13	TEST / OFF	SW	Self-test switch
14	MOTOR	O	Motor connection wires

Types description :

LED → LED light, SW → Switch, VR → Variation resistor, I → Input power, O → Output

Specifications

Driver Model No.	GTR515B	
Driver Current	0.36 ~ 1.4A / phase	
Compatible Motor	0.75A/phase	1.4 A/phase
Input Power	DC24 ~ 36V ※1 MIN : 1.5A↑	DC24 ~ 36V ※1 MIN : 3.0A↑
Magnetizing Current Type	Full step (0.72°, 4-phase magnetizing current) Half step (0.36°, 4~5 phase magnetizing current) Switchable	
Signal Output / Input Type	Photo coupler input interface Open collector output interface	
Input Signal	CW Pulse Input	2 pulse : Clockwise input, 1 pulse : pulse input
	CCW Pulse Input	2 pulse : Counter clockwise input, 1 pulse: Running direction input
	H.OFF Pulse Input	Magnetizing current relieved (Holding off)
Output Signal	TIMING Output	Phase original of magnetizing current output
		1 signal in every 10 pulse during full step 1 signal in every 20 pulse during half step
Functions	◆ Auto current drop (ACD) ◆ Self-test function (TEST) ◆ Stepper angle switch (H/F) ◆ Pulse input type switch (1P/2P)	
Protection Functions	◆ Reverse polarity protection circuits : Auto-cutoff action while reversed voltage input ◆ Over-current protection : Auto-cutoff action while input current is exceed to the rated ◆ Over-heating protection : Auto-convection while the driver temperature is higher than 80°C ※2	
LED Light	Power, Timing	
Profile Dimensions	90(L)x65(W)x32(H)mm	
Weight	297g	
Usage Temperature	0°C ~ 40°C	

※ 1. [a] Max. transient voltage is 40V, please keep using voltage under 36V to prevent the driver from damages.
[b] Please refer to the recommend power supply per specification.

※ 2. While over-heating protection activates, power indicator light will blink and the motor will not magnetizing current. (Please secure well protection while the motor is applied to vertical usage with loading.) In case magnetizing current is required, please turn off power and eliminate the over-heating problem before restart.