

5 Phase Stepping Motor Driver Series

5 Phase Micro Stepping Motor Driver-AC100~240V TR514H-F wide range voltage input



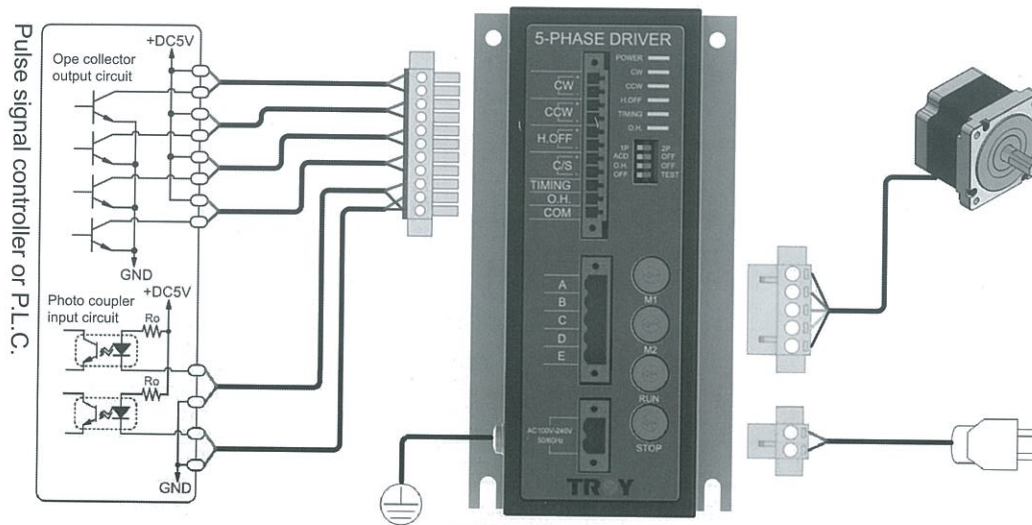
► Features

- AC100 ~ 240V input voltage range, and it could reduce the stock types through one machine with multi functions.
- With 16 options of the stepping angles settings, min divisions could up to 125,000 pulses/ rotation.
- It could set up 2 different kind of stepping angles M1.M2 simultaneously, and easily set up 2 speed control through contact switching.
- Do not need to add the current limiting resistor while using the signal end with DC5 ~ 24V.
- With the new safety plug terminal design, it could not only fasten the screw but prevent the connector fall off.
- With ware shape shell, it could increase the thermolysis arens and effectively lower the temperature.

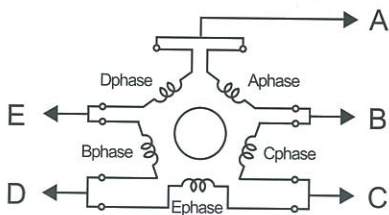
► Specs

Model		TR514H-F
Input power		AC100-240V 5A 50Hz/60Hz
Drive current		1.4A/Phase
Excitation mode		Micro step : 1,2,4,5,8,10,20,25,40,50,80,100,125,200,250 pulses/rotation
Signal input/output		Photo coupler input interface Transistor open collector output interface
Input signal	CW pulse input	2 pulses : CW pulse signal input ; 1 pulse : Rotation pulse signal input
	CCW pulse input	2 pulses : CCW pulse signal input ; 1 pulse : Direction of rotation signal input
	H.OFF input	HOLDING OFF input
	C/S input	Step angle switch signal
Output signal	TIMING output	Excitation phase origin output, 1 signal output every 7.2°
	O.HEAT output	The signal is output when the internal heat sink temperature exceeds above 80°C
Functions		<ul style="list-style-type: none"> • Pulse input mode switch (1P/2P) • Self test (TEST) • Automatic current OFF when overheat(O.H) • Two different kinds of divisions switch(M1,M2) • Automatic current down(ACD) • Divisions switch(1~250)
The climax response pulses		1 Mpps
Protect function		Overheat protection : Signal is output when the internal radiator exceed 80°C, motor stops running
Display (LED)		POWER, CW, CCW, H.OFF, TIMING, O.H.
Ambient temperature		0°C~+40°C
Dimension (mm)		145(L)×75(W)×130.6(H)
Weight (g)		880

▶ Wiring diagrams



■ 5 phase motor internal wiring diagram :



■ Wiring chart :

Line	TROY		SANYO DENKI			TAMAGAWA		ORIENTAL	
	5leads	10leads	5leads	5leads*	10leads	5leads	10leads	5leads	10leads
A	Blue	Blue / Black	Black	Blue	Black / Yellow	Blue	Blue / Black	Blue	Blue / Black
B	Red	Red / Brown	Orange	Red	Black White / Orange	Red	Red / Brown	Red	Red / Brown
C	Orange	Purple / Orange	Blue	Orange	Orange White / Blue	Orange	Purple / Orange	Orange	Purple / Orange
D	Green	Yellow / Green	Red	Green	Red White / White	Green	Yellow / Green	Green	Yellow / Green
E	Black	White / Gray	Yellow	Black	Yellow White / Red	Black	White / Gray	Black	White / Gray

※ 「*」 means 5 phase stepping motor new color mark of Sanyo Denki which is different the old one. Please refer to the wiring chart to compare the lines what you got

▶ Dimensions (Unit:mm)

■ Driver dimension :

