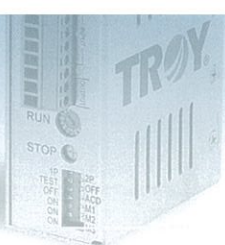


## 2 Phase Stepping Motor Driver Series



### 2 Phase Micro Stepping Motor Driver – DC input TR22H-D



#### ► Features

- 9 kinds of step angle which can selectable and the min 51,200 pulses/per rotation
- Low temperature
- Small volume
- Easy operating
- Simple wiring
- Wide range of signal input without current limiting resistance and switching on-off
- Suitable for 4 and 6 leads stepper moter

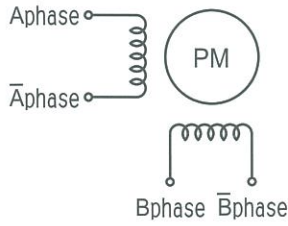
#### ► Specs

Driver model		TR22H-D
Power input		DC24V
Current		0.1~2A/phase
Excitation mode		Micro Stepping : 1,2,4,8,16,32,64,128,256(subdivision)
Signal output/input mode		Photo Coupler input interface 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
Output signal	TIMING output	Excitation phase origin output, 1 signal output every 7.2°
Functions		<ul style="list-style-type: none"> <li>• Division adjust (1~256)</li> <li>• Self test (TEST)</li> </ul> <ul style="list-style-type: none"> <li>• Auto current down (ACD)</li> <li>• Pulse input mode switch (1P/2P)</li> </ul>
Protection functions		<ul style="list-style-type: none"> <li>• Inverse power protection</li> <li>• Overcurrent protection</li> </ul> <ul style="list-style-type: none"> <li>• Short circuit protection</li> <li>• Overheat protection</li> </ul>
Display (LED)		POWER、TIMING
Dimensions (mm)		80 (L) × 66 (W) × 18 (H)
Weight (g)		86
Ambient temperature		0°C~+40°C

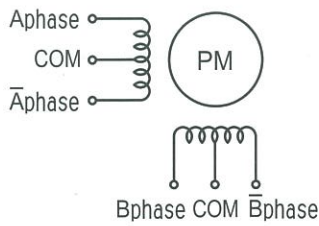
► **Wiring diagrams**

■ **2 phase motor internal wiring diagram :**

- 4 leads motor



- 6 leads motor



■ **Wiring chart :**

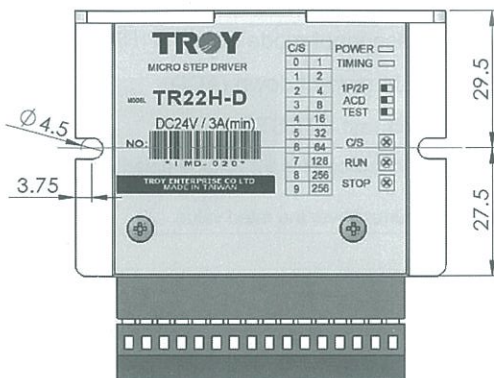
	TROY	SANYO DENKI	TAMAGAWA		ORIENTAL		Remark		
Lines	6leads	4leads	6leads	4leads	6leads	TS3103N40	4leads	6leads	
A	Black	Orange	Orange	Blue	Black	Red	Black	Black	
COM	Yellow		White		Yellow	Black		Yellow	Not use
A̅	Green	Blue	Blue	Red	Green	Red/White	Green	Green	
B	Red	Red	Red	White	Red	Green	Red	Red	
COM	White		Black		White	White		White	Not use
B̅	Blue	Yellow	Yellow	Yellow	Blue	Green/White	Blue	Blue	

※ The different specification of SANYO103-8□□ series has different wiring method please contact with the local seller.

※ The COM contact of 6 lines motor can't connect with each other.

► **Dimensions (Unit:mm)**

■ **Driver dimension :**



■ **Mounting bracket dimension :**

