

RIA-40 Series

1. OUT Diameter ø40mm Hollow type INCREMENTAL



Small, Compact size

Wide ranging application

Measuring Instrument

Low cost type

High Response Frequency

Industrial use

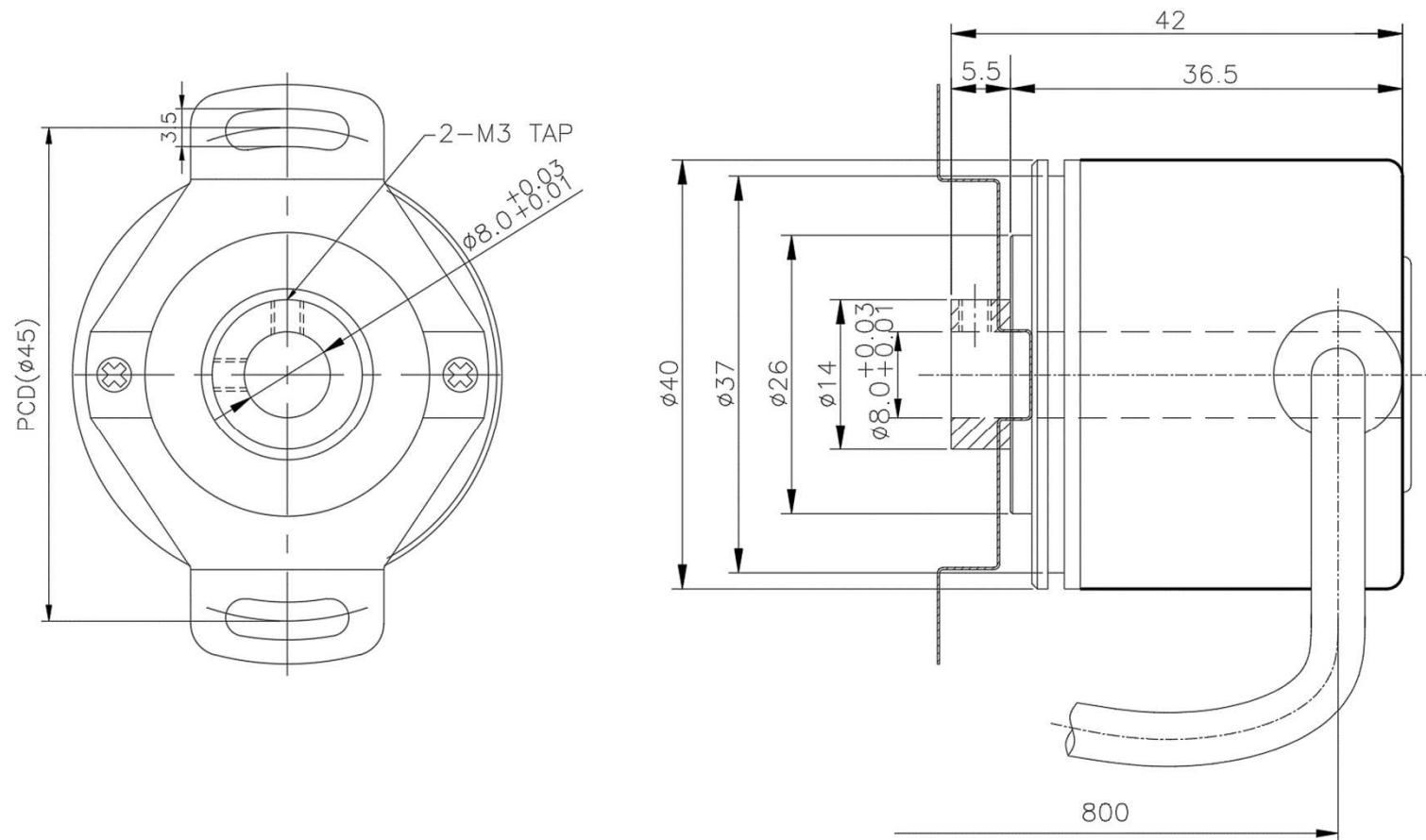
Textile machine

Elevator door machine

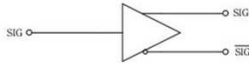
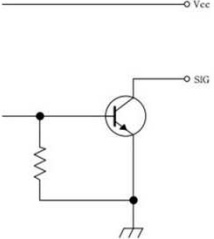
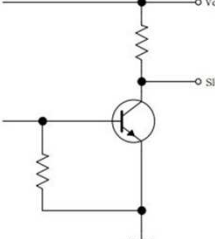
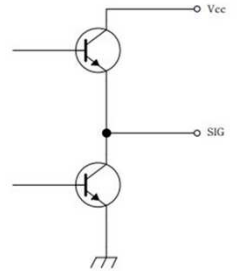
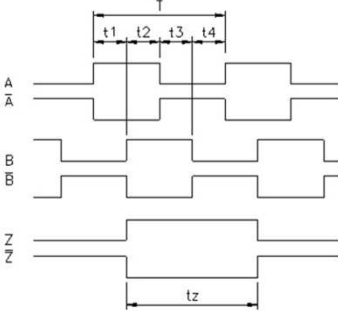
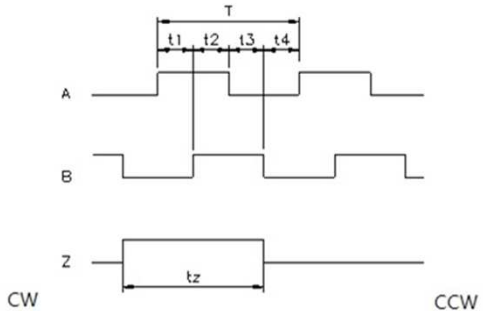
Lubricator

R	I	A	40				
Encoder	Code	Shaft type	Outer dia	Resolution	Output signal	Output circuit	Customized product
ROTARY	INCREMENTAL	HOLLOW SHAFT TYPE	40	2 / 20 / 50 / 100 120 / 160 / 200 / 250 256 / 300 / 360 / 400 500 / 600 / 1000 / 1024 2000 / 2048 / 2500	A : A B : A, B Z : A, B, Z U : A, A , B, B V : A, A , B, B , Z, Z	L : Line Driver O : Open Collector T : Totempole V : Voltage Output	Customized

2. Out Diameter



3. Output Phase

Output Circuit	 Line Drive	 Open-Collector	 Voltage Output	 Totempole
Output Signal				

4. Electrical Spec

Resolution	2/20/50/100/120/160/200/250/256/300/360/400/500/600 /1000/1024/2000/2048/2500	
Supply Voltage	Line drive	VL = 0.5V↓ VH = 2.7V↑(DC+5V)
	Open Collector Voltage Output Totempole	VL = 0.5V VH = 2.7V(DC+5V), 9V(DC+12V), 20V(DC+24V)
Current Consumption	150 mA Max.	
Response Frequency	200 kHz Max.	
Rising / Falling Time	Line drive	0.2μs
	Open Collector Voltage Output Totempole	3μs

5. Mechanical Spec

RPM.Max	7,000 rpm	
Starting torque	100gf.cm	
Moment of inertia	10gf.cm	
Allowable shaft load	Radial	2.2kg Max.
	Axial	1.0kg Max.
Vibration resistance	10~55Hz / 1.5mm	
Shock resistance	50G / 11msec	
Operation temp	-10°C~ +70°C	
Storage temp	-20°C~ +85°C	
Protection	IP50	
Weight	150g	

6. Connection Table

Color	Line drive	Open Collector Voltage Output Totempole
RED	Vcc	Vcc
BLACK	GND	GND
GREEN	A	A
WHITE	B	B
YELLOW	Z	Z
BLUE	/A	-
PINK	/B	-
ORANGE	/Z	-
SHIELD	F/G	F/G