

MANUAL TYPE

Compact & Very Thin

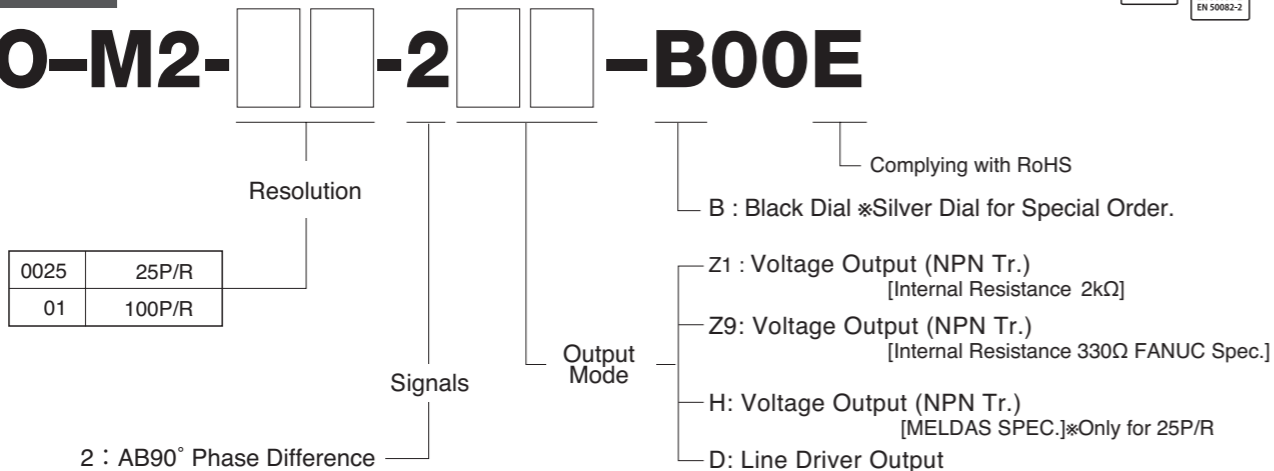
UFO-M2 Model



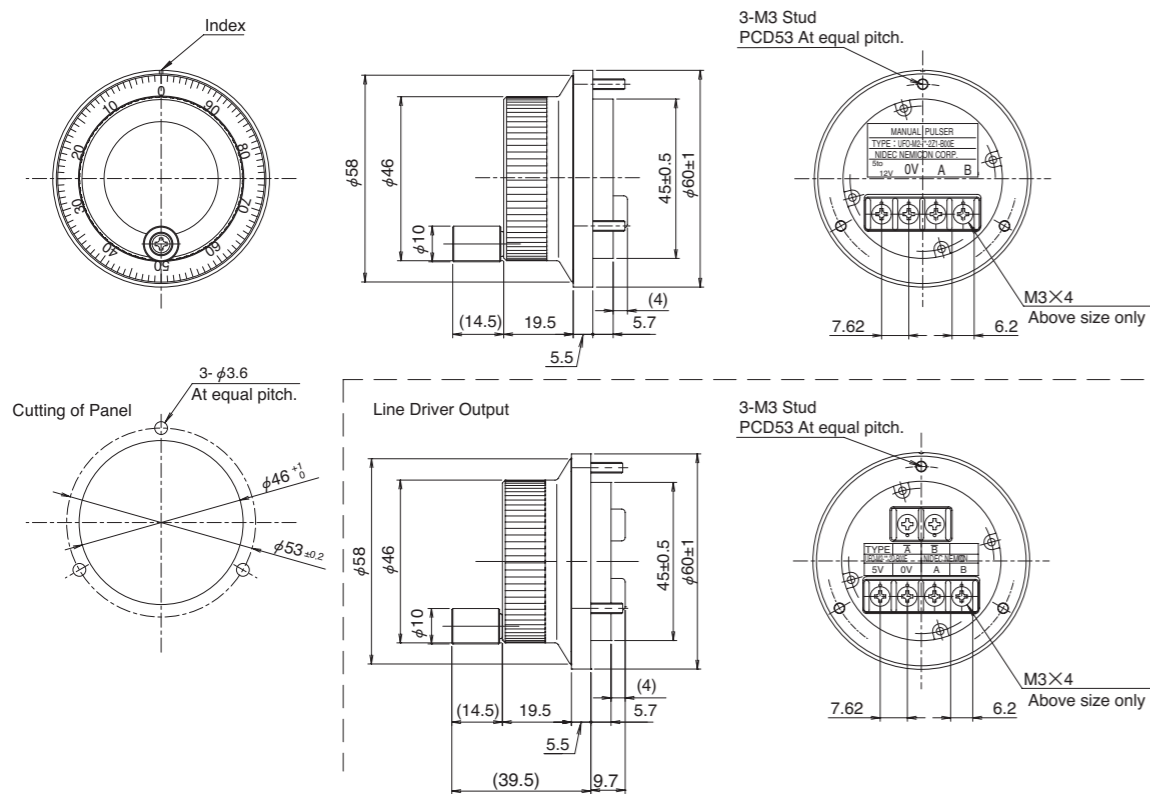
- Optical Slot Mode.
- Click Mechanism.



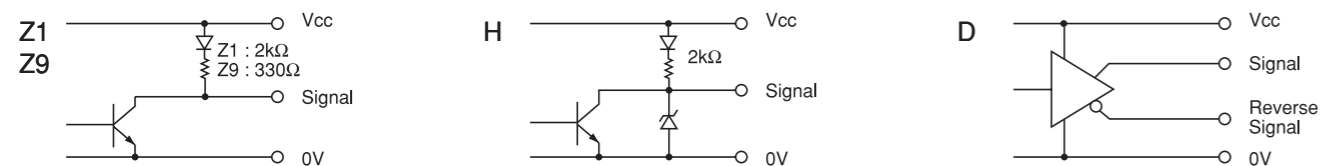
Model UFO-M2- [ ] -2 [ ] -B00E



External Dimension



Output Circuit



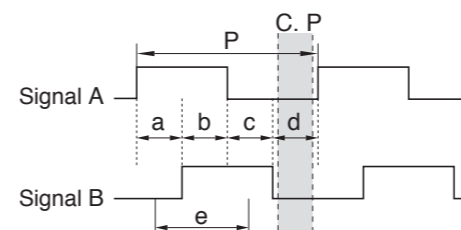
Electrical Spec

TYPE	Z1	Z9	H	D
Power Supply(Vcc)	DC+4.5V ~ +13.2V	DC+5V±10%	DC+12V±10%	DC+5V±5%
Current Consumption	50 mA Max	70 mA Max	50 mA Max	100 mA Max
Resolution	100P/R · 25P/R		25P/R	100P/R · 25P/R
Output Voltage	"H"	Vcc-1V Min	+5V±10%	2.5 V Min
	"L" ※1	0.5 V Max		
Maximum Frequency Response	5 kHz			
Rise & Fall Time	1 μs Max	1.5 μs Max	200 ns Max	
Maximum Sink Current	20 mA Max			

※1) at Maximum Sink Current

Wave Form

2Z1 · 2Z9 · 2H

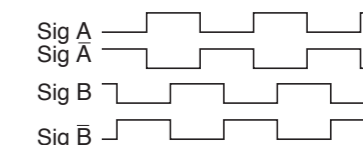


$$P = \frac{1}{\text{Resolution}}$$

$$a, b, c, d = \frac{P}{4} \pm \frac{P}{6}$$

Wave Ratio (Duty); 50 ± 25 (%)

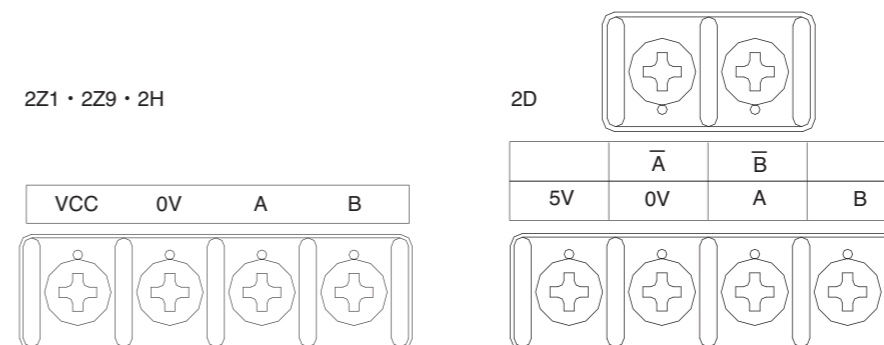
2D



C.P=Click points

For mode 25P/R click point is at each position of a,b,c,d.  
\*Point "e" is recommended as the system switching timing.

Electrical Connections



Mechanical Spec

Starting Torque	6.8×10 <sup>-3</sup> N·m~2.9×10 <sup>-2</sup> N·m	
Shaft Loading	Thrust	9.8N
	Radial	19.6N
Maximum Permissible Speed	600min <sup>-1</sup> (Instantaneous) 200min <sup>-1</sup> (Continuous)	
Rotational Life	> 1 million rotations (200min <sup>-1</sup> )	
Net Weight	200g Max	

Environmental Spec

Operating Temperature	-10°C~+60°C
Storage Temperature	-30°C~+70°C
Humidity	RH 85% Max No Condensation
Vibration	10~55 Hz / 1.5mm X,Y,Z Each 2h
Shock	490m/s <sup>2</sup> ,11ms X, Y, Z Each 3 times
Ingress Protection	IP64(Panel Mounting)