

HANDY PENDANT

HP-V Model

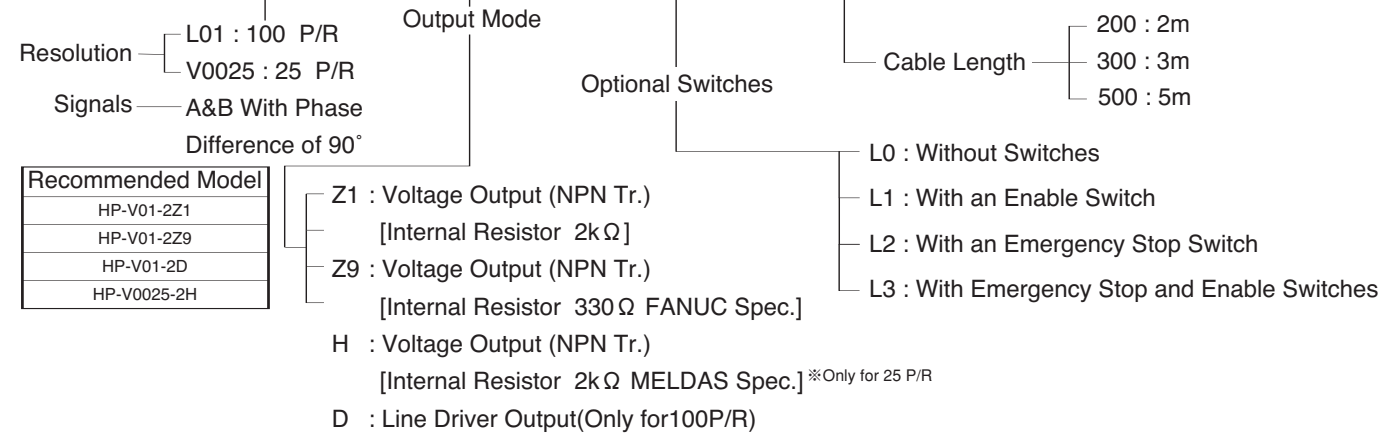


Handy Model

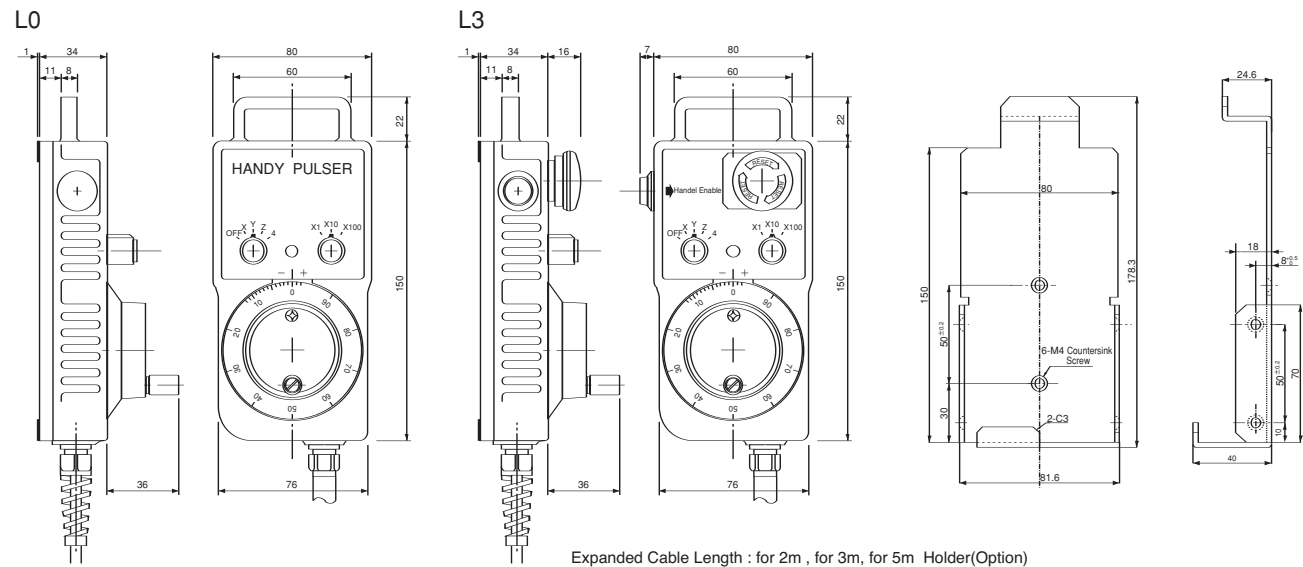
- Reasonable Cost vs. Performance.
- Fit To Hand Holding.

Model

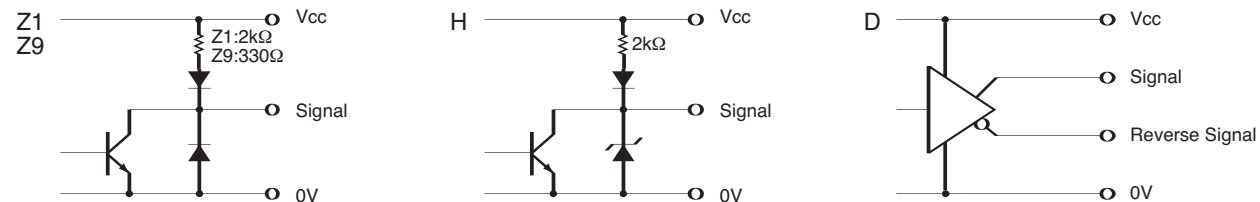
HP - V01 - 2 [] - P [] - [] - 00
V0025



External Dimension



Circuit of Output Signal



Electrical Spec.

Manual Pulse Generator

TYPE	Z1	Z9	H	D
Power Source	HP-L:DC+5V±10% HP-V:DC+4.5V to 13.2V	DC5V±10%	DC12V±10%	DC5V±5%
Current Consumption	60mA Max	80mA Max	60mA Max	150mA Max
1Pulse Per a Revolution	100P/R · 25P/R		100P/R·25P/R	100P/R
Output Voltage	"H"	Within -1 Power Voltage		+5±10%
	"L" ※1	0.5V Max		
Max. Response Frequency ※2	5kHz			
Signal Rising & Falling Time	1 μs Max		1.5 μs Max	200ns Max
Max. Sinking Current	20 mA MAX			

※1) at Maximum Output Current ※2) Without Click Mechanism

Rotary Switches

Contact Rating	0.4 VA	Maximum Voltage	25 V
Current	0.1~50 mA		

Enable Switch

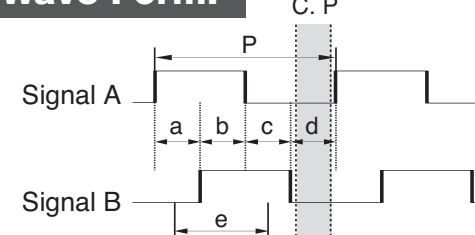
※1 Contact Rating	With AC Load Resistance	AC220V 0.5A , AC110V 1.0A
	With DC Load Resistance	DC 24V 1.0A

Emergency Stop Switch

※1 Contact Rating	With AC Load Resistance	AC250V 0.5A , AC125V 1.0A
	With DC Load Resistance	DC 30V 1.0A

※1Min. Load DC 5V 1mA

Wave Form.



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

$$a, b, c, d = \frac{P}{4} \pm \frac{P}{8}$$

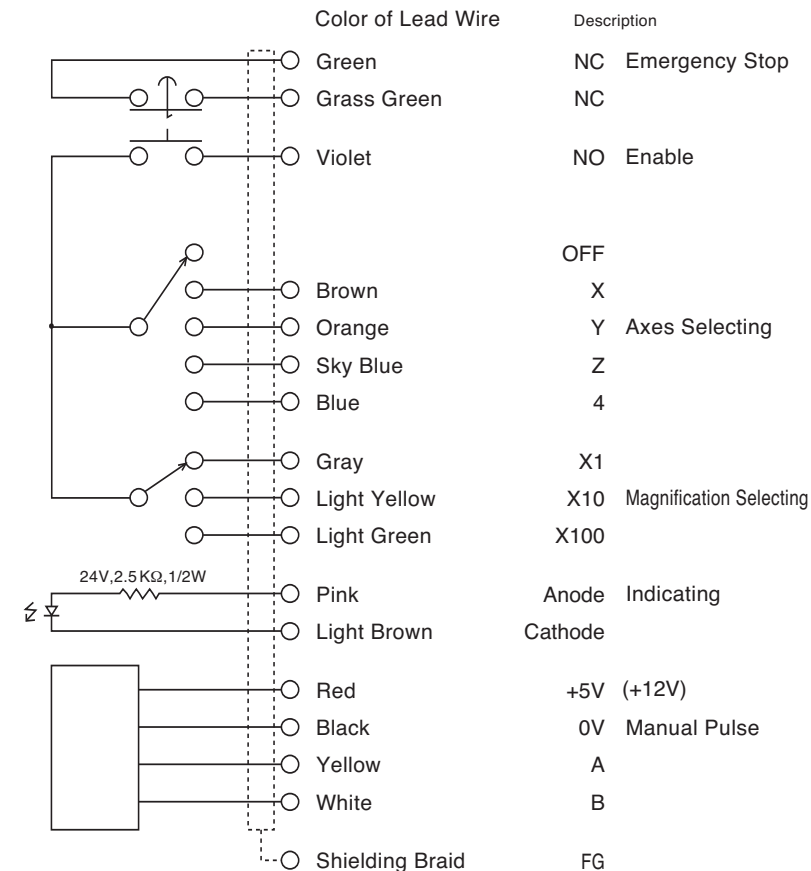
Duty Ratio (A,B) 50 ± 25(%)

C. P = Click Point

※1) Inverted Output is available for 2D type.

※2) Point "e" is recommended as the system switching timing

Electrical Connections



Mechanical Spec.

Starting Torque	1.96×10 ⁻² N·m~5.88×10 ⁻² N·m	
Shaft Loading	Thrust axial	9.8N
	Radial	19.6N
Maximum RPM	200r/min	
Net Weight	500g Max	

Environmental Spec.

Operating Temperature	- 10°C ~ +60°C
Storage Temperature	- 20°C ~ +80°C
Humidity	RH 85% Max No Condensation
Vibration	10 ~ 55 Hz / 1.5mm 2 h
Shock	490m/s ² , 11ms X, Y, Z Each 3 times
Protection	to IP65(for Box)