Handy Manual Pulse Generator

HIVI Series



Outline

HM series have a variety of switches which can be customized according to your requests. The model is compact and lightweight, which is perfect for accurate and smooth manual operation.

Features

- Various switches available: Emergency switch (2 positions), side mounted (right/left) enabling switches, 2 rotary switches (as axis and multiplication selector etc.)
- · Compact, thin-line and lightweight.
- Strong plate magnets available on back side. (optional !!)
- RoHS compliant (box/cord)
- Various types of curl cords provided along with connectors of all sorts at your request.

Speci Lations

1. Body	
Dimension	145×73×35(mm)
LED light	DC24V Green
Enabling Switch	Available on both sides
Logo	Logo available on the wheel cover

2. Mechanical speci lentions 2.1 Rotary Encoder Unit

Output Voltage

DC5V±10% DC12V±10%

Wheel

100 clicks / rotation

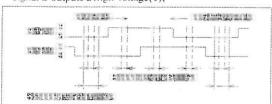
100 puluse or 25 pulses per rotation

Rotational Durability

Over 1,000,000 times

Output Waveform

- 1) Turning the shaft clockwise would generate the signal A when the signal B outputs a low voltage (0);
- 2) Rotating the shaft counter-clockwise would generate the signal A when the signal B outputs a high voltage(1);



See RE45B page for details

2.2 Selector Switches

MR8A (Rotary switch) 25V15mA (AC/DC) MR8C (Code switch) 15V10mA (AC/DC)

* See MR8A/ MR8C pages for details

3. Curl/ Straight Cords 19/25-conductor shielded cable 19-conductor: select from 2m, 3m, 4m, 5m 25-conductor: select from 3m, 5m Curl Cord (We will select either 19 or 25-conductor in accordance with required functions) For further details, please see the catalogues for curl cords Straight Also available Cord

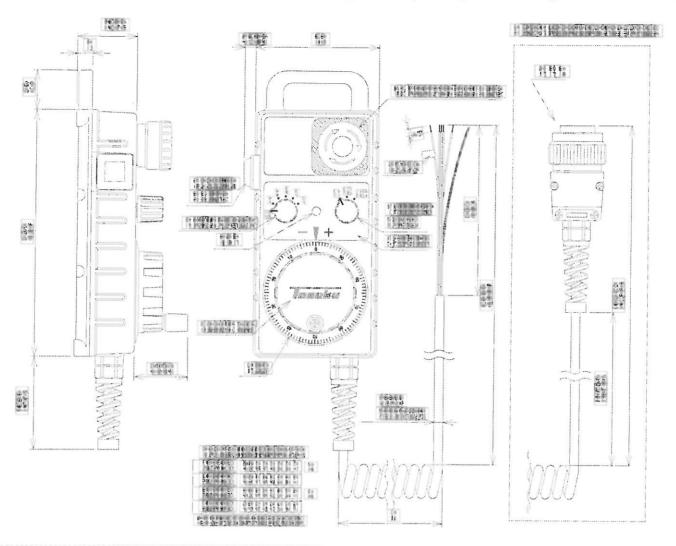
4. Connecto	r Unit
Connector	Dripproofed connector to be attached on the end of the cord optionally provided

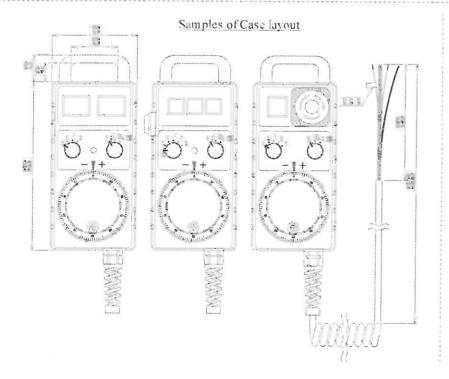
· I year from the date of shipment.

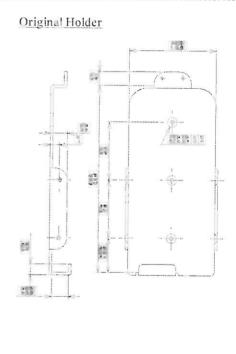
Dimensions (mm)

HM Unit with curl cord

* This drawing is an example, it may differ according to number of swithes etc.







H M series Order Sheet (Print out this page for sending orders.)

We'll hand in to you a drawing in accordance with your order. The drawing shall be approved before starting in on production.

1) Select one from each spec table and fill blank spaces with "O".

	Pulses/Rev.
X	100PPR
0	25PPR

*25PPR and yet 100 Clicks/Revolution

Pow	er Supply	Output
0	5V	5V (330Ω Pull Up)
0	5V	Open Collector
0	5V	(for Line Driver)
0	12V	5V(2.2kΩ Pull Up)
0	12V	12V(2.2kΩ Pull Up)
0	12V	Open Collector
V	12V-	for Photocoupler
	24V	(Open Collector)

* Transistor will be "OFF" at every clicked positions.

(For other open collector output models, transistors will be "ON" at every clicked positions.

	Logo on the dial	
0	None	
X	with "TOSOKU" logo	
0	with an original logo()

	2-Position Enabling Switch	
\bigcirc	None	
X	One on the left	
0	On both sides	

E	mergency S	witch	(contacts)	
0	None			
X	Mounted	(NC)

* 1 for (NO), 4 for (NC) maximum (1A/4B). Maximum of 4 contacts in total (1A3B or 4B).

	Magnet on the backside	
0	None	
X	Mounted	

Ax	is Selector/Multiplication Selector Switches
0	MR8C type(Gray code switch)
X	MR8A type (Selection switch)

Indicat	ions for Axis Selector (left)
e.g.	OFF, X, Y, Z, 4, 5
X	x, Y, Z, 4, 5
Indicat	ions for Multiplication Selector (right)
e.g.	×1, ×10, ×100
X	x1, x10, x100

	Curl Cord Length
0	2m Curl Cord (for only 19-conductor cord)
0	3m Curl Cord
0	4m Curl Cord (for only 19-conductor cord)
X	5m Curl Cord

* We will select either 19-conductor cord or 25conductor cord to cover your requested specs

	Waterproofed Connector (for curl cord)
X	None
0	Male connector (EBSP2119MG-D, DDK)
0	Female connector (EBSP2119FGS-D, DDK)

* Fill in both spaces to order both connectors.

2	Other	options
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Other options to request
(e.g.)
Switches with LED illumination x 2
2 contact selector switch x1



Rotary EncodersPulse GeneratorsRotary Switches

Code SwitchesLever Switches

Trackballs