Handy Manual Pulse Generator

HM 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.

Specifications

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

Mechanical specifications
 Rotary Encoder Unit

Output Voltage DC5V±10%, DC12V±10%

Wheel 100 clicks / rotation

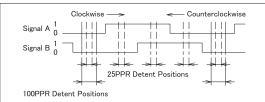
100 puluse or 25 pulses per rotation

Rotational Durability Over 1,000,000 times

Output Waveform

1) Turning the shaft clockwise would generate the signal A when the signal E outputs a low voltage (0);

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

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

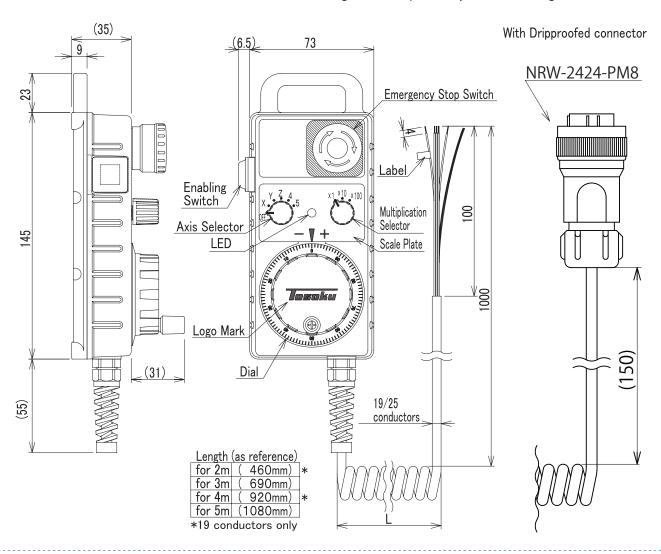
Warranty

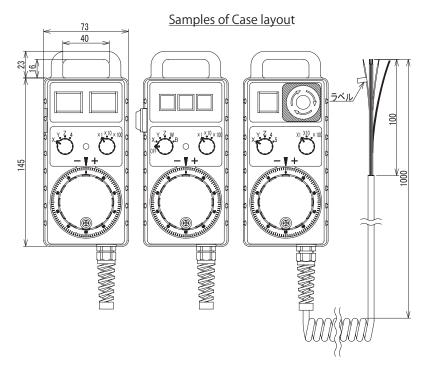
• 1 year from the date of shipment.

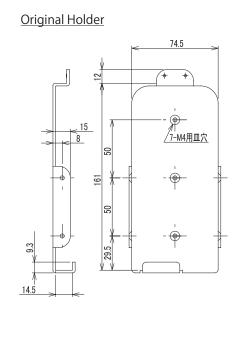
Dimensions (mm)

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.
	100PPR
¢	25PPR

^{*25}PPR and yet 100 Clicks/Revolution

Power Supp	Output
5V	5V (330Ω Pull Up)
5V	Open Collector
5V	(for Line Driver)
12V	5V(2.2kΩ Pull Up)
12V	12V (2.2kΩ Pull Up)
12V	Open Collector
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		
	None	
	with "TOSOKU" logo	
	with an original logo()

2-Position Enabling Switch	
	None
	One on the left
	On both sides

Emergency Switch (contacts)	
None	
Mounted ()

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

Magnet on the backside
None
Mounted

Axis Selector/Multiplication Selector Switches	
	MR8C type(Gray code switch)
	MR8A type(Selection switch)

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

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

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

Waterproofed Connector (for curl cord)
None
Male connector (NRW-2424-PM8)
Female connector (NRW-2424-RF)

^{*} Fill in both spaces to order both connectors.

2) Other options

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



• Rotary Encoders

●Code Switches

Pulse GeneratorsRotary Switches

Lever SwitchesTrackballs