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)

Specifications

• 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
2. Mechanical specifications 2.1 Rotary Encoder Unit	
Output Voltage	DC5V±10%, DC12V±10%
Wheel	100 clicks / rotation 100 puluse or 25 pulses per rotatior
Rotational Durability	Over 1,000,000 times
Output Waveform	
1) Turning the shaft clockwise we	ould generate the signal A when the signal E

outputs a low voltage (0); 2) Potating the shaft counter clockwise would generate the signal A when the signal to

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



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

Warranty

• 1 year from the date of shipment.

* See RE45B page for details

Dimensions (mm)

HM Unit with curl cord

st 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.

e.g.

e.g.

1) Select one from each spec table

and fill blank spaces with "O".

Pulses/Rev.
100PPR
25PPR

*25PPR and yet 100 Clicks/Revolution

Power Supply	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



	None
	Male connector (NRW-2424-PM8)
	Female connector (NRW-2424-RF)
* 511	

Axis Selector/Multiplication Selector Switches

MR8C type (Gray code switch) MR8A type (Selection switch)

Indications for Multiplication Selector (right)

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

4m Curl Cord (for only 19-conductor cord)

Indications for Axis Selector (left) OFF, X, Y, Z, 4, 5

×1, ×10, ×100

3m Curl Cord

5m Curl Cord

* Fill in both spaces to order both connectors.

2) Other options





