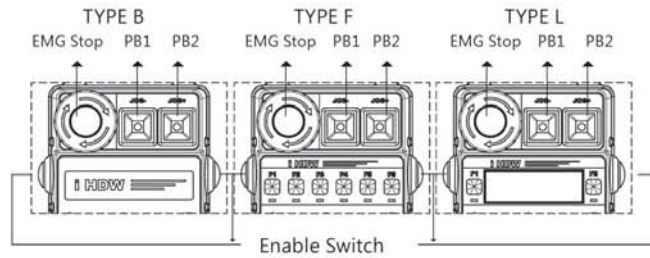
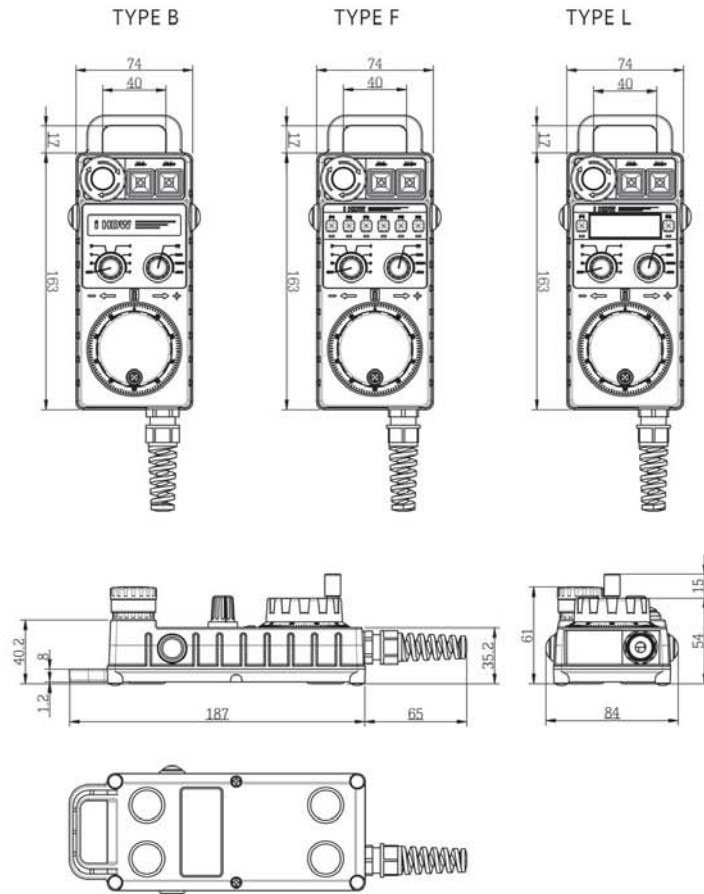


iHDW Shape Option



iHDW External Dimensions (mm)



INTELLIGENT REMOTE MANUAL PULSE GENERATOR

iHDW-B,F,L Series

The latest generation of remote MPG. Built-in LCD displays coordination and status of function. Designed for high level or large CNC machines.



Features

- Receive messages from CNC control system
- Meet customers' various demands
- Display data transferred by PLC digital I/O (serial out simulation) or serial I/O (RS232C)
- Patented magnetic back cover
- Enabling switches for option
- Optional emergency stop switch
- Three types of model for option. Type B, F and L
- Type F offers 6 key switches for option
- Multiple output types compatible with different CNC control systems
- Provide reverse polarity protection
- Easy to handle
- Dust & water proof
- OEM welcome

INTELLIGENT REMOTE MANUAL PULSE GENERATOR

Ordering Information

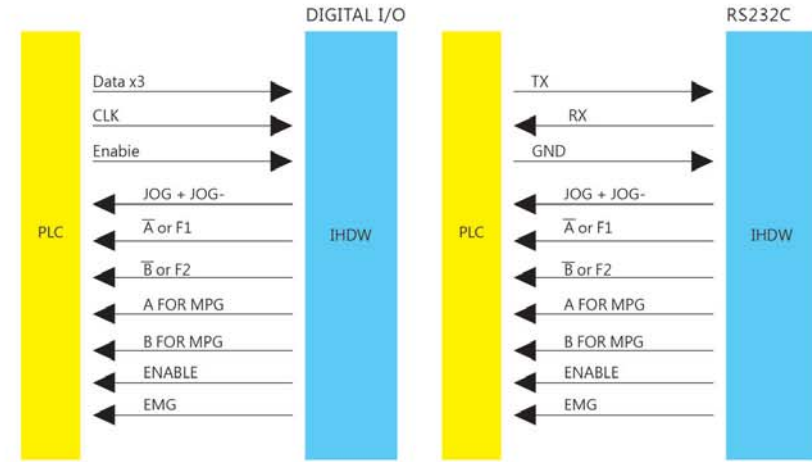
iHDW	L	B	A			A	S	I	M		
SERIES NAME	SHAPE	MODEL			TYPE			STEPS NUMBER	CABLE LENGTH	DATA INTERFACE	MAGNET
	Shape	Model	PB1	PB2	EMG Stop	Enable	Specification	Number	Rotary Switch Steps	Length	Data Interface
iHDW	B Basic	B				A 5V 100PPR R330	1 (PTP) 1 AXIS	S 3M	I I/O	I RS232C	M
	L LCD	C			●	B 5V 25PPR R330	2 (PTP) 2 AXES	L 5M	R		
	F Function	D			●	C 12V 100PPR R2.0K	3 (PTP) 3 AXES				
		E	●			D 12V 25PPR R2.0K	4 (PTP) 4 AXES				
		F	●	●		E 5V 100PPR DIFF	5 (PTP) 5 AXES				
		G	●	●		F 5V 25PPR DIFF	6 (PTP) 6 AXES				
		H	●	●	●	G 24V 100PPR R2.0K	7 (PTP) 7 AXES				
		I	●	●	●	H 24V 25PPR R2.0K	A (BIN) 3 AXES				
		J		●	●		B (BIN) 4 AXES				
		K	●				C (BIN) 5 AXES				
		L			●		D (BIN) 6 AXES				
		M	●	●	●		E (BIN) 7 AXES				
		N	●	●	●						
		O	●	●	●						
		P	●	●	●						
		Q	●	●	●						

※ Only For Basic Type

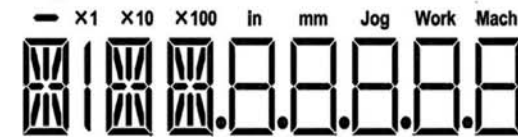
iHDW Specification

Intelligent Manual Pulse Generator		
Electrical	Power Supply	DC 5V, DC 12V, DC 24V (±10%)
	Pulse Number	25PPR or 100PPR
	Output Current	100mA
	Signal Mode	A, B or A, \bar{A} , B, \bar{B}
	Response Frequency	5KHz
	Power Consumption	100mA ~ 150mA
Communication	Communication Interface	Digital I/O, RS232C
	Data Format	8 data bits +1parity bit (even), 1 stop bit
	Transfer Speed	9600 baud, automatic detection
Mechanical	Rotating Torque	250 gf·cm
	Rotating Life	1,000,000 min
	Material	Plastic
	Weight	Approx. 1kg
Environmental	Operating Temperature	0°C / + 50°C
	Storage Temperature	-10°C / +60°C (w/o condensation)
	Humidity	35% / 85%
	Vibration	0.5G X, Y, Z each direction 2h
	Shock	2G X, Y, Z each direction 3 times

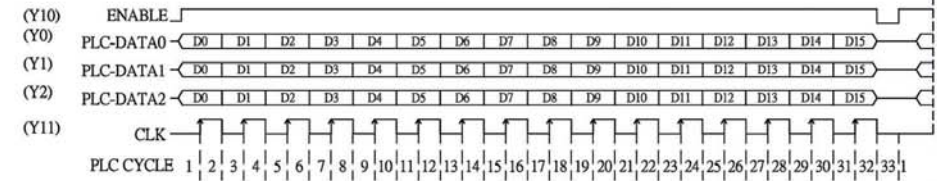
TYPE L Connection Block Diagram



TYPE L Display Graphic



TYPE L Data Transfer Chart



iHDW Waveform

Clockwise, phase A is rising as phase B is low (0).

Counter-clockwise, phase A is rising as phase B is high (1).

