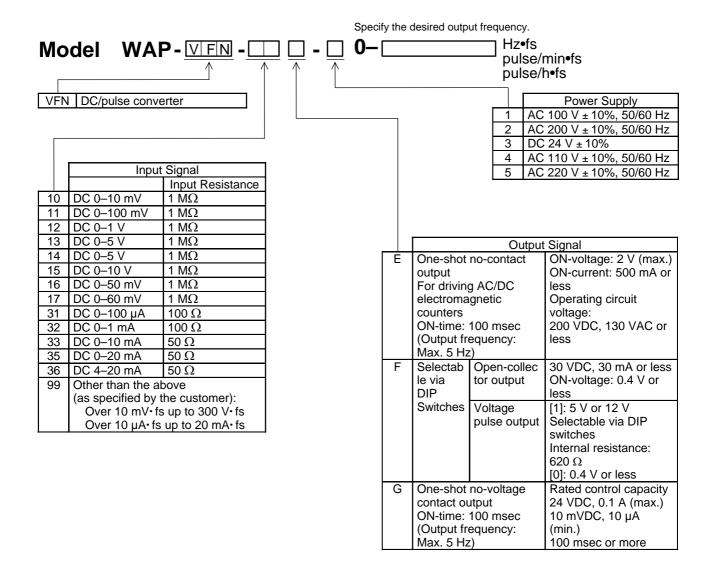
50 (W) x 96 (H) x 125.5 (D) mm Approx. 400 g

This converter takes in an analog current or voltage, and outputs a pulse having a frequency that is proportional to its input value. This converter is highly suitable for adding up analog flow rate signals or electrical energy. Its output signal form is compatible with electronic or electromagnetic counters. The converter has its input and output isolated by a photocoupler.

Features

- The output pulse frequency can be specified between 0.00278 Hz•fs (10 pulses/h•fs) and 32 KHz•fs.
- Equipped with an operation indicator LED synchronized with the output pulse.
- The shutdown value can be set freely (0–10% fs).
- An LED indicates the shutdown operation.
- Plug-in design enables mounting on DIN rails or panel installation.

Models WVP-VF and WVP-VS have been modified to this model.



Specification

Input signal: DC voltage, DC current

Output signal: Pulse frequency

-Type E: One-shot output of approx. 100 msec ON-time.

-Type F: Rectangular wave with 50% duty.

-Type G: One-shot output of approx. 100 msec ON-time.

Service life of contacts: Mechanical: 100 million operations

Electrical: 200,000 operations

Output frequency: 0.00278 Hz·fs (10 pulses/h) to 32 KHz·fs

Monitor output: For check of input, and zero & span adjustment of output

Accuracy: ±0.1% fs (at 23°C)

Response time: Inputs of less than 1 V·fs and less than 20 mA·fs:

10 msec + 1/fout (fout: Output frequency)
1 msec + 1/fout for other than the above

Zero & span adjustment: ±5% fs each Influence of ambient temperature: ±0.15% fs/10°C

Isolation: Between the input/monitor, output and power supply terminals

Insulation resistance: 100 M Ω or more with a 500 VDC megger between the input/monitor, output and

power supply terminals

Dielectric strength: 2,000 VAC for 1 minute between the input/monitor, output and power supply

terminals

Operating temperature and humidity: -5 to +60°C, 90% RH or less (without condensation or icing) **Warm-up time:** 30 minutes (until attaining the prescribed accuracy)

The function starts working within 2 seconds of power-on.

Supply voltage: 100/110/200/220 VAC, 50/60 Hz (to be specified), or 24 VDC ± 10%

Power consumption: Approx. 4.5 VA (AC), approx. 120 mA (24 DC)

Output shutdown: This function forcibly cuts off output when the input signal falls below a preset

value. The operation point is set to 0-10% fs by a trimmer, and the operation

can be monitored by an indicator LED.

Output Waveform

Type F H (OFF) 5/12 V L (ON) 0 V

OFF 100 ms

Types E, G ON

Explanation of Terminals

No.	Symbol		Description
1	CLITDLIT	+	Output signal
2	OUTPUT	ı	
3	3 4 INPUT	+	Input signal
4		ı	
5 MONITOR	+	Monitor	
6	MONTOR	ı	Terminal
7	POWER	U (+)	Power supply
8		V (-)	