

## Features

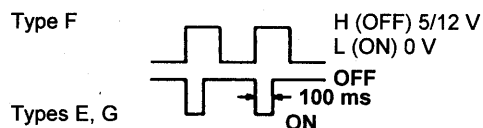
- The output pulse frequency can be specified between 0.00278 Hz·fs (10 pulses/h·fs) and 32 KHz·fs.
- Equipped with an operation indicator LED synchronized with the output pulse.
- The shutdown value can be set freely (0–10%·fs).
- An LED indicates the shutdown operation.
- Plug-in design enables mounting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

		Output Signal				
E	One-shot non-contact output For driving AC/DC electromagnetic counters ON-time: 100 msec (Output frequency: Max. 5 Hz)	ON-voltage: 2 V (max.) ON-current: 500 mA or less Operating circuit voltage: 200 VDC, 130 VAC or less				
F	Selectable via DIP Switches	<table border="1"> <tr> <td>Open-collector output</td> <td>30 VDC, 30 mA or less ON-voltage: 0.4 V or less</td> </tr> <tr> <td>Voltage pulse output</td> <td>[1]: 5 V or 12 V Selectable via DIP switches Internal resistance: 620 <math>\Omega</math> [0]: 0.4 V or less</td> </tr> </table>	Open-collector output	30 VDC, 30 mA or less ON-voltage: 0.4 V or less	Voltage pulse output	[1]: 5 V or 12 V Selectable via DIP switches Internal resistance: 620 $\Omega$ [0]: 0.4 V or less
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Voltage pulse output	[1]: 5 V or 12 V Selectable via DIP switches Internal resistance: 620 $\Omega$ [0]: 0.4 V or less					
G	One-shot non-voltage contact output ON-time: 100 msec (Output frequency: Max. 5 Hz)	Rated control capacity 24 VDC, 0.1 A (max.) 10 mVDC, 10 $\mu$ A (min.) 100 msec or more				

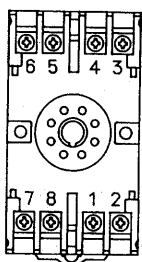
## Specification

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:	$\pm 0.1\% \cdot fs$ (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:	$\pm 5\% \cdot fs$ each
Influence of ambient temperature:	$\pm 0.15\% \cdot fs/10^\circ C$
Isolation:	Between the input/monitor, output and power supply terminals
Insulation resistance:	100 MΩ 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 +55°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 $\pm 10\%$
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



## Explanation of Terminals



No.	Symbol	Description
1	OUTPUT	+
2		-
3	INPUT	+
4		-
5	MONITOR	+
6		-
7	POWER	U (+)
8		V (-)