

This slim-type plug-in converter applies desired scaling and outputs a pulse to which waveform shaping and opto-isolation processing have been added by dividing the input pulse string signal.
Application : Tachometer, speedometer, ratio mixing of mixing machine.

Features

- ★ Optional input and output frequency 100kHz or less
- ★ The division factor can be arbitrarily changed from the surface
- ★ Dielectric strength of 2000Vac between input, output and power supply
- ★ Both AC and DC power supply are available
- ★ Easy to maintain by plug-in structure

Ordering code

WGP- **FD** - -

Code	Input
12	Voltage pulse (Peak to peak voltage measurement type) 200mVp-p to 50Vp-p (0V on center)
14	Voltage pulse Compatible with proximity switch and light switch [1]: 5 to 30V, [0]: -30 to 1.5V
	ON-OFF pulse Compatible with non-voltage contact and open collector 5V at OFF, 1mA at ON
99	Contact us for other than the above

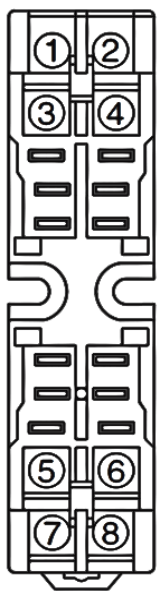
Code	Power Supply
1	80 to 132Vac 50/60Hz Rated voltage : 100 to 120V
2	170 to 264Vac 50/60Hz Rated voltage : 200 to 240V
3	24Vdc ±10%
8	110Vdc ±10%

Code	Output	Rated value
E	One-shot non contact output (Max. 5Hz) For driving AC/DC electromagnetic counter ON-time 100ms	ON-voltage : 2V (max.) ON-current : 500mA or less Operating circuit voltage : 200Vdc, 130Vac or less
C	Open collector	30Vdc, 30mA or less, ON-voltage 0.4V or less
H	One-shot open collector output (Max. 5Hz) 100ms duration	
J	5V voltage pulse output	[1] : 5V or 12V
K	12V voltage pulse output	[0] : 0.4V or less, 100ms duration, Internal resistance : 620Ω
L	One-shot 5V voltage pulse output (Max. 5Hz)	[1] : 5V or 12V
M	One-shot 12V voltage pulse output (Max. 5Hz)	[0] : 0.4V or less, 100ms duration, Internal resistance : 620Ω
S	Contact us for other than the above	

Specifications

Input / output frequency	DC to 100kHz (any frequency) If input signal code is '12', 10Hz or less not available If output signal code is 'E','H','L','M', Max. 5Hz
Input waveform	Square or sine (Duty ratio 25 to 75%)
Input resistance	For input code '12' : 100kΩ or more / For input code '14' : 20kΩ or more
Output waveform	For output code : 'E','H','L','M' Electromagnetic counter ON-time 100ms For output code : 'C','J','K' Square wave synchronized to input waveform
Division setting	4 digits DIP rotary switch
Division setting range (selectable)	(Input pulse) x (1/1 to 9999)
Operating temperature	-5 to +55°C
Operating relative humidity	90% or less (non-condensing)
Insulation resistance	100MΩ or more with a 500Vdc megger Between input, output, and power supply terminal
Dielectric strength	2000Vac for 1 minute
Power consumption	Approx. 4.5VA (AC), Approx. 90mA (DC)
Reset	Automatic reset within 0.5 sec after power-up
Dimensions	105(H) X 25.6(W) X 136.5(D)mm
Weight	Approx. 200g
Structure	Plug-in
Connection	M3.5 SEMS screw part of the base socket
Material of terminal screw	Chromated iron
Case color and material	Ivory, heat-resistant ABS resin(94V-0)
Mounting	DIN rail or wall surface

Terminal connections



No	Signal	Description
1	INPUT(+)	Input
2	INPUT(-)	
3	OPEN COLLECTOR	Short 1-3
4	NC	No connection
5	OUTPUT(+)	Output
6	OUTPUT(-)	
7	POWER U(+)	Power Supply
8	POWER V(-)	

* Specification is subject to change without notice