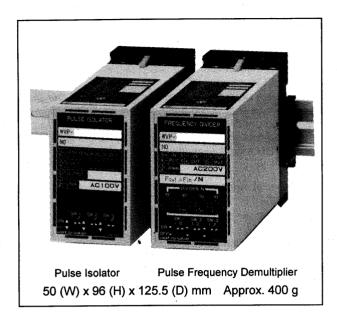
## PULSE ISOLATOR AND FREQUENCY DIVIDER DIELECTRIC STRENGTH 1,500 VAC WVP-FZC /FRC

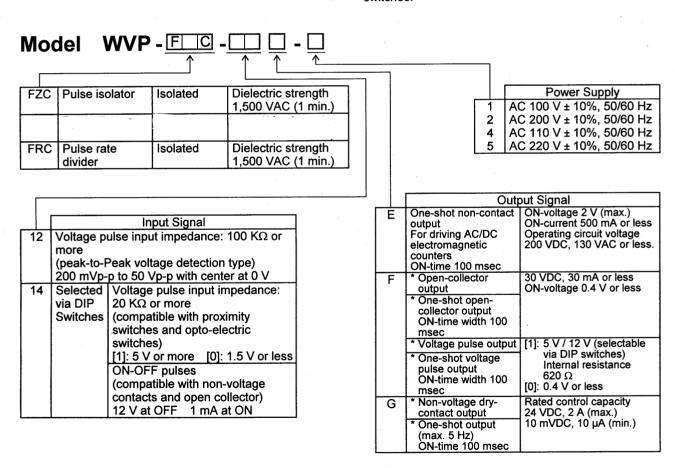


The pulse isolator is a pulse repeater that receives pulsetrain signals, and outputs signals in pulses that are shaped into a waveform and opto-isolated.

On the other hand, the pulse frequency demultiplier applies the desired scaling to input pulse-train signals by demultiplying them, and delivers pulses that are shaped into a waveform and opto-isolated. Models using two different frequency demultiplication methods are available.

## **Features**

- The input and the output are isolated using the highly reliable photocoupler method.
- Capable of supplying power to sensors (when connected to an AC power supply).
- The demultiplying coefficient can be changed freely from the front panel (FDC and FRC models).
- Plug-in design enables mounting on DIN rails or direct installation.
- Various output modes can be selected via DIP switches.



## **Specification**

Input signal: Input frequency:

Input waveform:
Sensor power supply:
Output frequency:
Output waveform:

Frequency dividing setting device: Frequency dividing range (changeable):

Operating temperature and humidity: Insulation resistance:

Dielectric strength:

Power consumption:

Reset:

Pulse frequency

DC-100 KHz (any frequency).

Frequencies of 10 Hz or less are not applicable to input signal 12.

Sine wave or rectangular wave (duty 25-75%)

12 VDC, 25 mA, stabilized power supply

DC-100 KHz

- Type E: One-shot output for driving electromagnetic counter, with

ON-time of 100 msec

 Type F: Voltage pulse output and open-collector output, and their respective one-shot outputs (selectable via DIP switches)

- Type G: Non-voltage dry-contact output

Normal and one-shot output (selectable via DIP switches)

- The output of the FRC model contain jitter in the pulse spacing.

DIP rotary switch, 4-digit

- FDC model (number of input pulses) x 1/2-9999

- FRC model (number of input pulses) x 1-9999/10000

-5 to +55°C, 90% RH or less (without condensation)

100  $\text{M}\Omega$  or more with a 500 VDC megger between the input/output terminal and power supply terminal, and between the input and

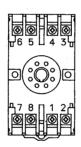
output terminals.

1,500 VAC for 1 minute between the input, output and power supply

terminal.

Approx. 4 VA (AC), approx. 120 mA (DC) Automatically reset within 0.5 sec of power-on

## **Explanation of Terminals**



No.	Symbol		Description
1	OUTPUT	+	Output signal
2		-	
3	INPUT	+	Input signal
4		-	
- 5	SENSOR	-	Sensor power supply
6		+	
7	POWER	U (+)	Power supply
8		V (-)	