

PULSE DIVIDER

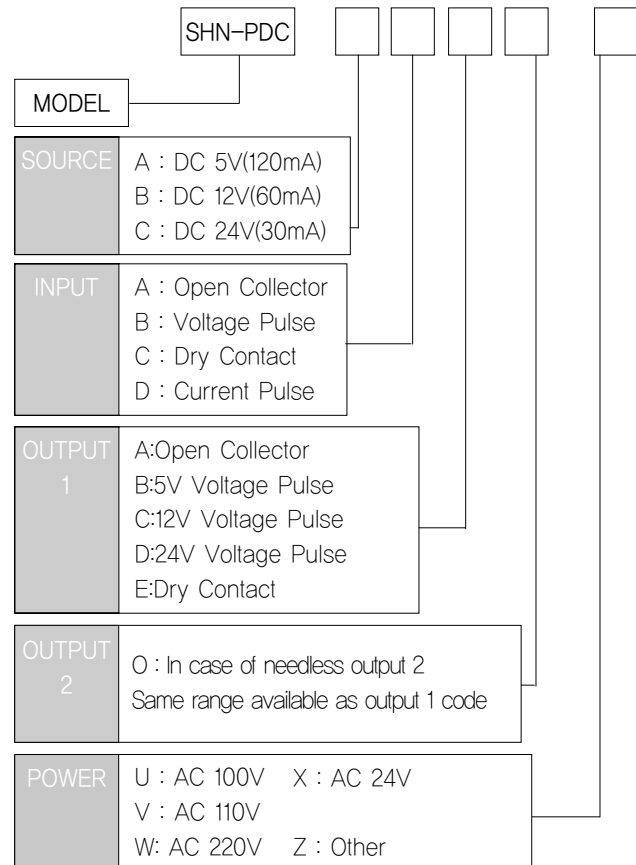
SHN-PDC



A converter is in use of converting the pulse input signal into electrically different output signal transmitting in state of isolation.

- Isolation of field pulse signals in order to reduce noises.
- Input frequency into divided output frequency.
- Uniform output waveform.
- Positive displacement flowmeters or turbine flowmeters.
- Converting dry contact pulse signals from a rotating machine into an engineering unit.
- Magnetic tachometers.
- Proximity switches.
- Oval flowmeters.
- Contains overvoltage protection circuit.
- Selecting Power Voltage AC 110V/220V converting S/W is located in the interior of the set. When you converting the voltage, convert the S/W in socket PCB.

MODEL & SUFFIX CODE SELECTION



GENERAL SPECIFICATIONS

Isolation/Type	Input to output to power / Transformer isolation type		
Power Supply	AC rating ±10%, approx. 4VA DC rating ±10%, (ripple 10%)100mA		
Insulation Resistance	Greater than 100MΩ with DC 500V		
Dielectric Strength	Input - Power	AC 2500V AC 1000V	1 minute
	Input - Output		
	GND - Power		
Operating Temperature/Humidity	-20~60°C / 90%(N.C)		
Storage Temperature/Humidity	-20°C~80°C / 95%(N.C)		
Dimensions	8 pin:W50xH85xD122(mm)		
	11 pin:W50xH85xD133(mm)		
Case Material	ABS Resin (black)		
Weight	about 400g		
Mounting	Wall & Rail mounting		

SIGNAL TRANSMITTER

SHN-PDC

INPUT & OUTPUT SPECIFICATIONS

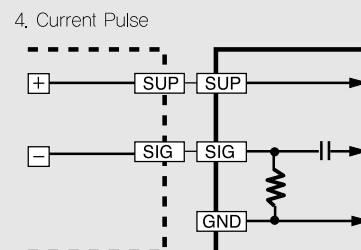
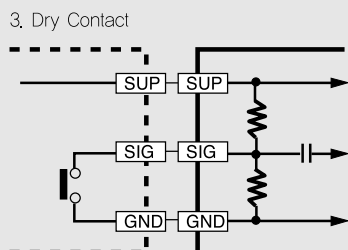
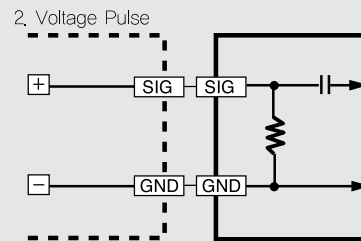
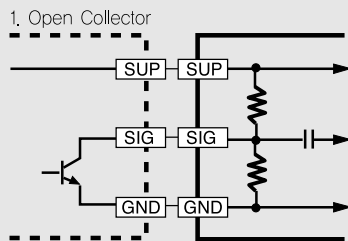
Input Impedance

Specifications	Report	
Frequency Range	0 – 10kHz	
Open Collector Spec	Pulse Width	10msec. at < 20Hz
	Duty Ratio	20~80%
	Sensing	DC 12V at 3mA
	Input Amplitude	$\leq 2V$ for ON, $\geq 3V$ for off
Voltage Pulse Spec	Square or Sine Waveforms	5 μ sec(Min)
	Pulse Widty	600 Ω (Min)
	Duty Ratio	10 msec. at 0~20Hz 20~80%
	Input Amplitude	500mV(p-p)~50V(p-p)
Current Pulse Spec	Input Impedance	62K Ω
	Input Impedance	250 Ω

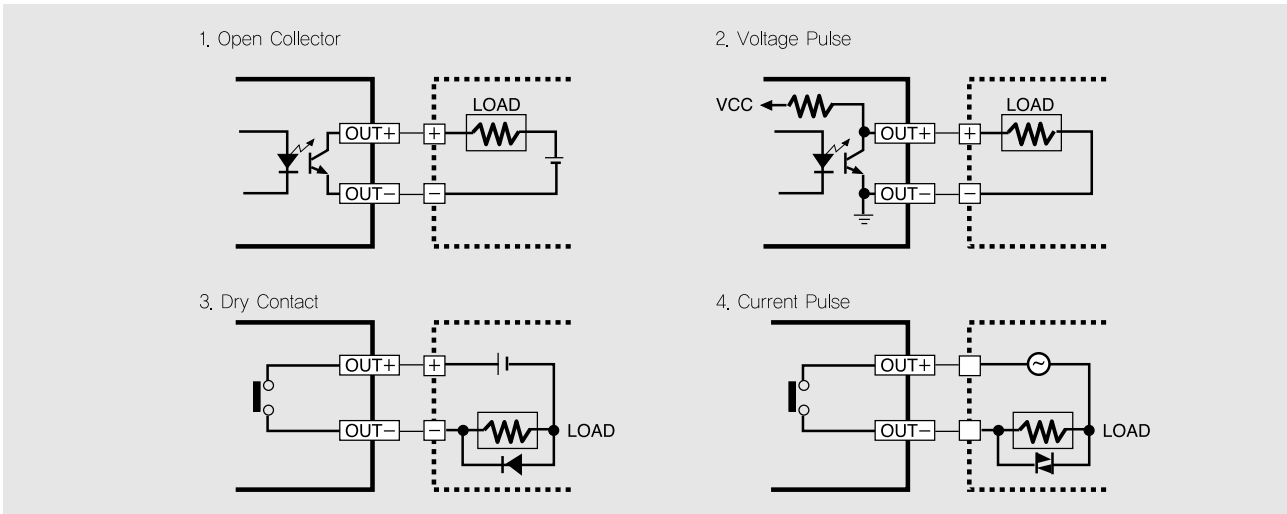
Output Specification

Specifications	Report	
Open Collector Spec	Voltage	DC 60V(Max) AC 60V(p-p)
	Load Current	0.4 A(Max)
	Load Impedance	1.4 Ω (Min)
Voltage Pulse Spec	Level	High:V $\pm 10\%$ Low:0 $\leq 0.5V$
	Load Impedance	600 Ω (Min)
Current Pulse Spec	Voltage	DC 60V(Max) AC 125V(p-p)
	Load Current	1A(Max)

INPUT CONNECTION EXAMPLES

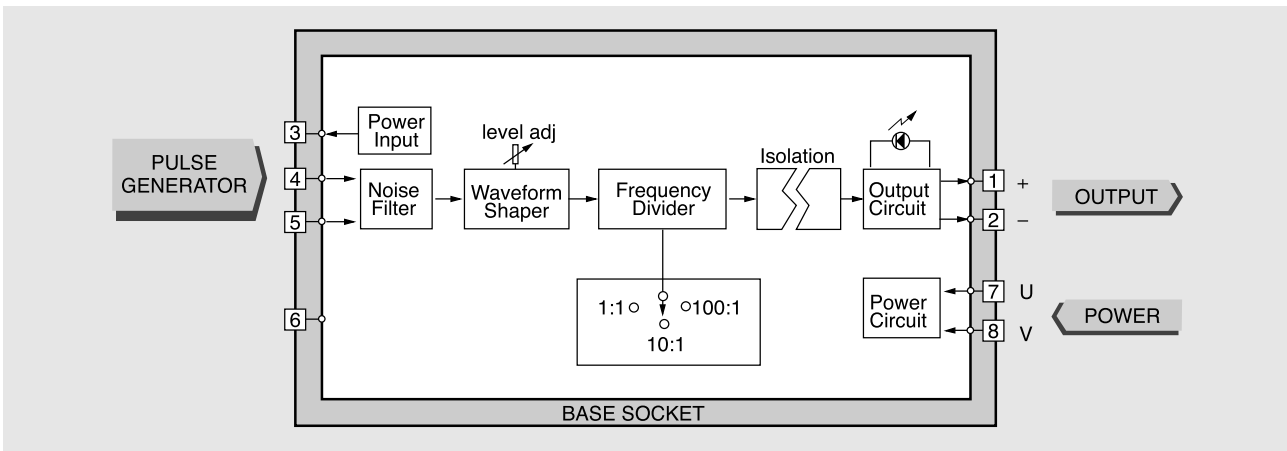


OUTPUT CONNECTION EXAMPLES



BLOCK DIAGRAM

1 Point Output



2 Point Output

