

DC TO FREQUENCY CONVERTER

● GENERAL SPECIFICATION

- Construction : Plug -in
- Wring : M3.5 Screw Terminal
- Isolation : Power to Input to Output1 to Output2
- Adjustment : Zero & Span $\pm 20\%$ of full scale

● INPUT

DC VOLTAGE

- Range : $\pm 300V$ Max
- Resistance : 20K Min at $\pm 1V$
1M MiN at $\pm 10V$

DC CURRENT

- Range : 50mA Max
- Resistance : 250 Max

● OUTPUT

- Open collector : 24VDC/50mA
Frequency range : 0~10KHz
- Voltage pulse
Level:High -- $V \pm 10\%$
Low -- 0 0.5V
Load impedance : 600 max
- Dry contact : 250VAC/3A ,30VDC/5A
- Current pulse : 0 ~ 20mA/DC Standard

● INSTALLATION

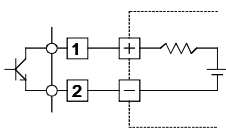
- Operating temperature : -5 ~ 55
- Operating humidity : 90%RH Max
(none condensing)
- Power supply
AC : 110V or 220V/60Hz $\pm 10\%$, approx 3VA
DC : 18V ~ 30V $\pm 10\%$, approx 3VA
- Power selection : AC 110V/220V Switch
in the back plane
- Mounting : Wall or DIN rail

● PERFORMANCE

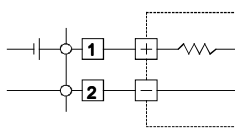
- Accuracy : $\pm 0.2\%$
- Temp'coefficient : $\pm 0.015\%$
- Response time : 0.5 Sec or less(0~90%)
- Insulation resistance : 100M or more
with 500VDC(Input/Output/Power)
- Dielectric strength : 1500VAC at 1minute
(Input to Output to Power)

● OUTPUT CONNECTION CIRCUIT

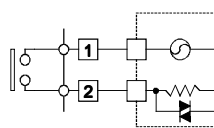
Open Collector



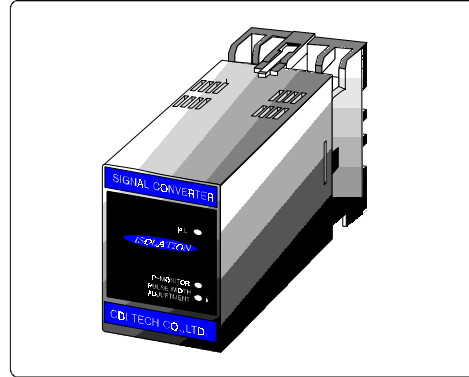
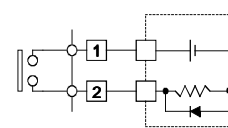
Voltage Pulse



Dry Contact (AC)

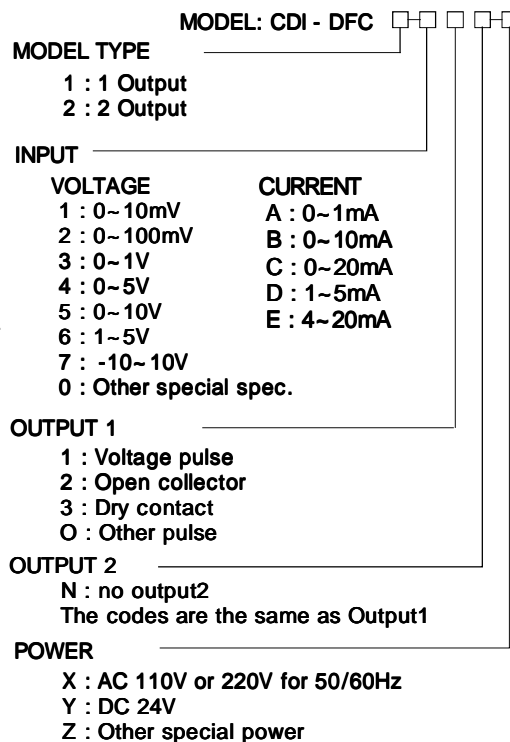


Dry Contact (DC)

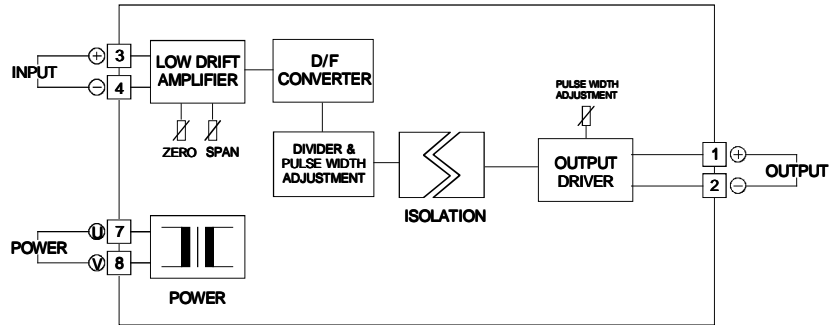


The converter CDI-DFC accepts the DC signal and provides isolated proportional pulse rate outputs.

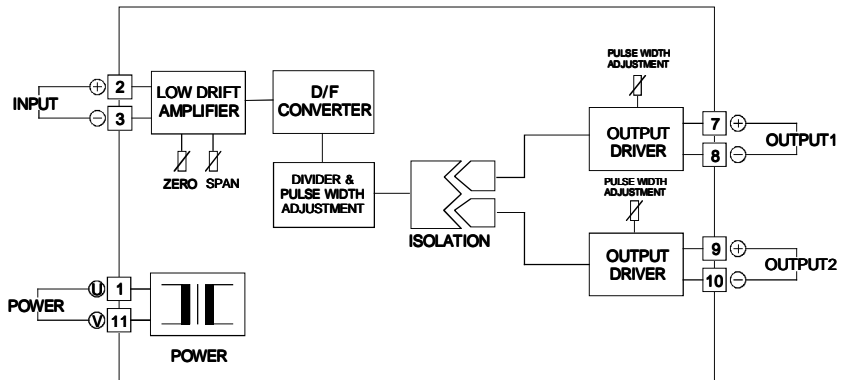
● ORDERING CODE SELECTION



● **8 PIN CONNECTION DIAGRAM**

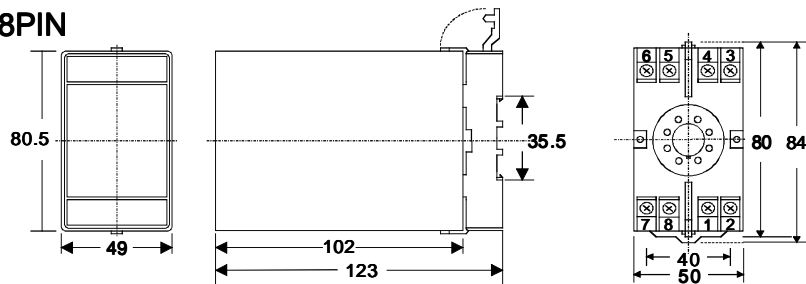


● **11 PIN CONNECTION DIAGRAM**



● **DEMENSION**

■ **8PIN**



■ **11PIN**

