

□ Function & Features

- One analog inputs
- Converting a DC input into two isolated process signals
- Front-programmable 4-digit LED display
- Four-way isolation (input/output1/output2/power)
- Protection Input and output TVS diode
- Analog One or Two outputs (independent output module)
- Universal power input
- Power fuse (240V/0.12A)



□ LOOP POWERED CURRENT

- Supply Voltage : 18 ~25 VDC(Terminal) / 4~20mA

□ ANALOG OUTPUT :

- DC Current : 0(4)~20 mA DC max. (Load resistance : 600Ω max.)
- DC Voltage : -10V min. ~ +10V DC max. (Load Resistance : 10 KΩ or more)
- 2-Wire Transmitter(4~20mA DC), supply out voltage (9 V ~ 35 V DC)
- Easy Calibration of the Gain (Max. ±5% of F.S) and Offset(Max. ±5% of F.S).

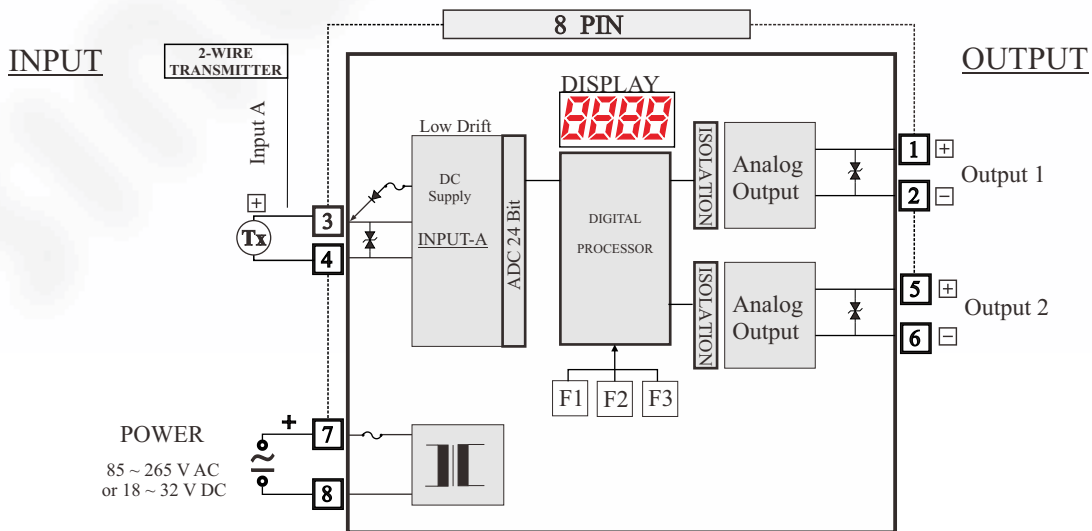
□ INSTALLATION

- Power supply : AC 85 ~ 265V or DC 18 ~ 32V (about 3VA)
- Operating temperature : -5 ~ 55 °C (23 ~ 131 °F)
- Operating humidity : 10 ~ 90 % RH (non-condensing)
- Construction : Plug-in
- Connection : M3.5 Screw terminals
- Housing material : flame-retardant Poly Carbonate (Black)
- Dimension : W52 x H77 x D112mm (2.04" x 3.03" x 4.40")
- Weight : about 320g

□ PERFORMANCE

- Accuracy : < ± 0.1 %
- Temp. coefficient : < ± 0.015 % /°C
- Response time : < 0.3 Sec. (0~90%, DC input) Filter set to the '0'
- Insulation resistance : 100 MΩ whit 500VDC
- Dielectric strength : AC 2000V / Min.
- Isolation : Input / Output 1 / Output 2 / Power
- Display range : 4 Digits (-1999 ~ 9999)

SCHEMATIC CIRCUIT & CONNECTION DIAGRAM



MODEL & SUFFIX CODE

NIPD -

Input Type Selection (Available for Input A & Input B)

0 : None

B : 2-Wire Transmitter(4~20mA DC, Impedance : 50 Ω / 0.5 W) [supply out voltage (18 V ~ 25 V DC)]

R : Other Special Spec.

Output Type & Range Selection (Available for Output 1 & Output 2)

0 : Not Used

1 : DC 4~20mA (Load Resistance : 0~600 Ω)

2 : DC 0~20mA (Load Resistance : 0~600 Ω)

3 : DC 1~5V (Load Resistance : 5 KΩ or more)

4 : DC 0~5V (Load Resistance : 5 KΩ or more)

5 : DC 2~10V (Load Resistance : 10 KΩ or more)

6 : DC 0~10V (Load Resistance : 10 KΩ or more)

7 : DC -5~+5V (Load Resistance : 10 KΩ or more)

8 : DC -10~+10V (Load Resistance : 10 KΩ or more)

9 : 2-Wire Transmitter(4~20mA DC) (9V ~ 35V DC)

A : Frequency output(Voltage)

B : Frequency output(Open Collect(Drain))

R : Other Special Spec.

Power Supply

Z : AC 85~265V

Y : DC 18~32V

R : Other Special Spec.

Function

0 : Normal(Input-A) [Input-A to Output-1,2]

R : Specify function

Socket

A : 8 PIN

DEMENSION

