

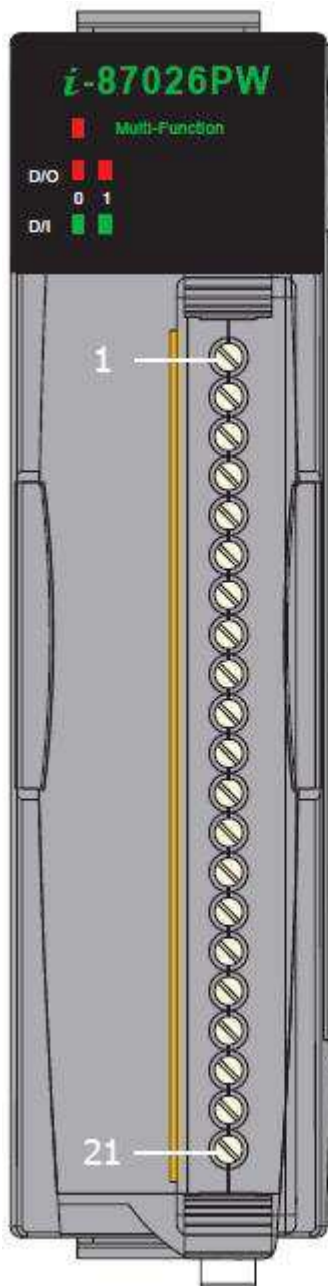
# I-87026PW Hardware User Guide

## I-87026PW Specification

<b>Analog Input</b>	Input Channels	6 (Differential )
	Input Type	+/-150mV, +/-500 mV, +/-1V, +/-5 V, +/-10 V,+/-20 mA, (Jumper Selectable)
	Resolution	16-bit(Normal Mode) 12-bit(Fast Mode)
	Sampling Rate	10 samples/second total(Normal Mode) 60 samples/second total(Fast Mode)
	Accuracy	+/- 0.1% (Normal) +/- 0.5% (Fast)
	Voltage Input Impedance	2 MOhm
	Current Input Impedance	125 Ohm
	Overvoltage Protection	240 Vrms
<b>Analog Output</b>	Output Channels	2
	Output Type	+0 V ~ +5 V, +/-5 V, +0 V ~ +10 V, +/-10 V,+0 mA ~ +20 mA, +4 mA ~ +20 mA(Jumper Selectable)
	Resolution	12-bit
	Accuracy	+/-0.1% of FSR
	Voltage Output Capability	10 V @ 20 mA
	Current Load Resistance	500 Ohms
	Power-Up and Safe Value	Yes
	Open Wire Detection for Current Output	Yes, Only 4 ~ 20 mA.
<b>Digital Input</b>	Input Channels	2
	Input Type	Wet contact (Sink)
	On Voltage Level	+3.5 VDC ~ 50 VDC
	Off Voltage Level	+1 VDC Max.
	Input Impedance	10 K $\Omega$ , 0.66W
<b>Digital Output</b>	Output Channels	2
	Output Type	Isolated Open Collector (Sink)
	Max Load Current	700 mA/channel Max.

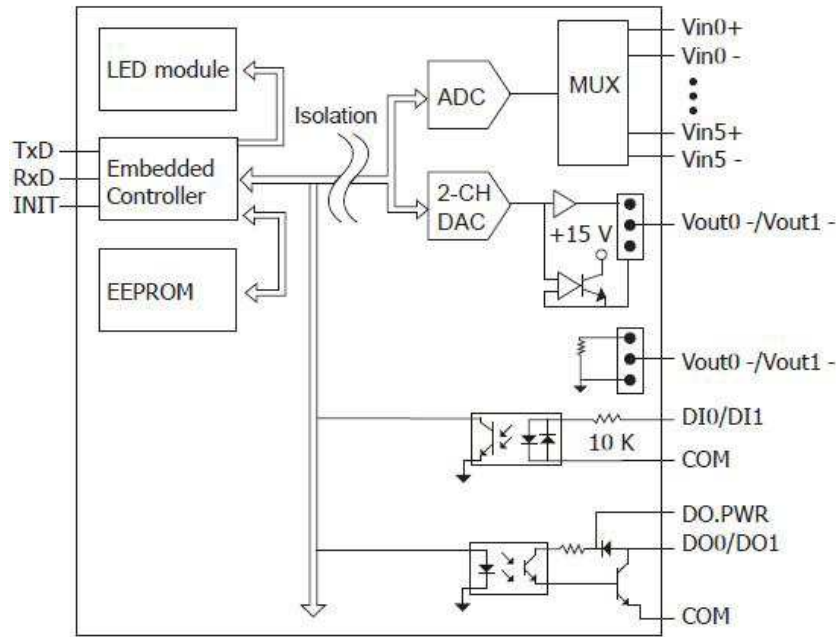
	Load Voltage	+3.5 VDC ~ +50 VDC
<b>Isolation</b>	2500 VDC	
<b>ESD Protection</b>	+/-4 kV Contact for Each Terminal +/-8 kV Air for Random Point	
<b>LED Display</b>	1 LED as Power/Communication indicator	
<b>Power Consumption</b>	Maximum : 2W	

### I-87026PW Pin Assignment

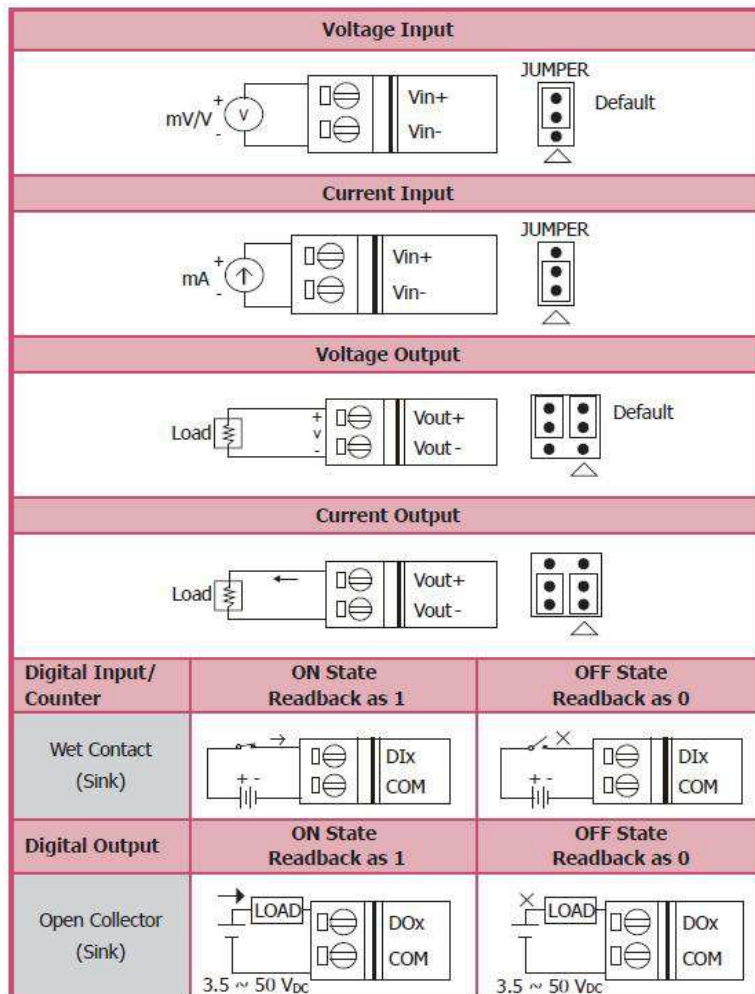


Terminal No.	Pin Assignment
01	Vin0+
02	Vin0 -
03	Vin1+
04	Vin1 -
05	Vin2+
06	Vin2 -
07	Vin3+
08	Vin3 -
09	Vin4+
10	Vin4 -
11	Vin5+
12	Vin5-
13	Vout0+
14	Vout0 -
15	Vout1+
16	Vout1 -
17	DO0
18	DO1
19	DI0
20	DI1
21	COM

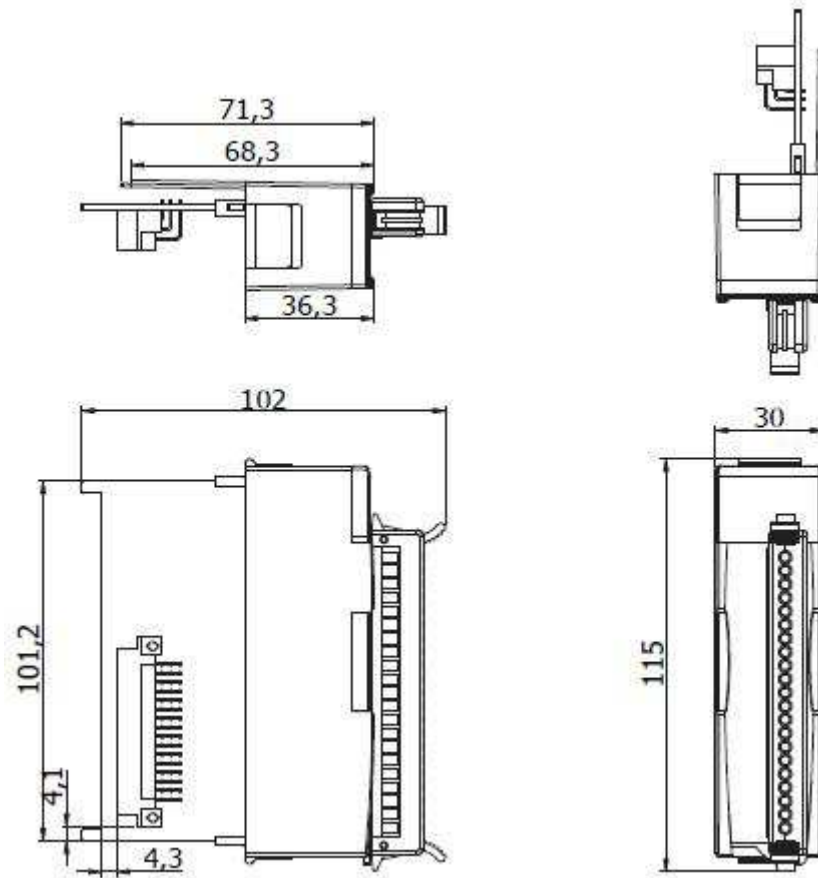
## I-87026PW Block Diagram



## I-87026PW Wire Connection



### I-87026PW Dimention



### I-87026PW Default Setting

Configuration	Default Setting	Description
Type	08	-10V to +10V
Baudrate	0A	115200 bps
Format	00	60Hz rejection Checksum disable Engineer Unit Format