

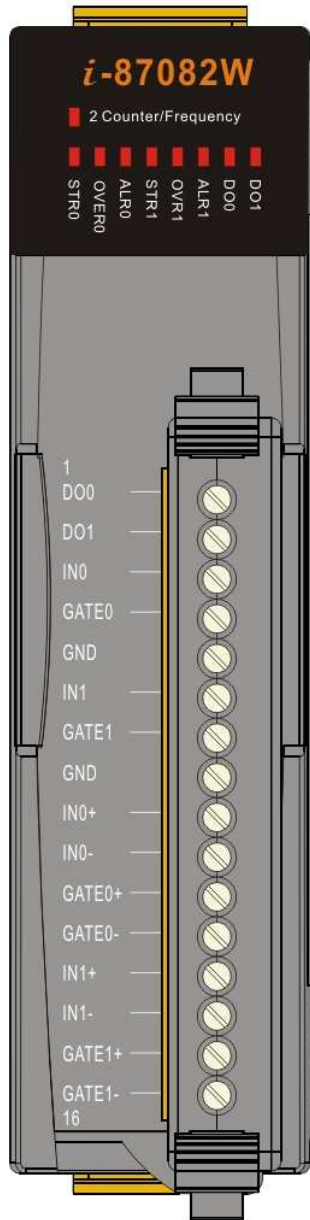
I-87082W Hardware User Guide *Ver 1.0*

Last Modified 02/01/2008

I-87082W Specifications

32 bits Counter/Frequency Input Module		
Counter/ Frequency Input	Input Channel	2
	Input Frequency	1Hz~100KHz
	Isolation input	On voltage level: +3.5V to +30V Off voltage level: +1V Max.
	Non-isolation input	On voltage level: 0 to +5V (Default >2.4V) Off voltage level: 0 to +5V (Default <0.8V) Threshold voltage level: Programmable
	Max. Counts	32-bits (4,294,967,295)
	Digital Filter	2uS to 65mS, Programmable
	Programmable Updated time for Frequency Inputs	1.0/0.1sec
	Programmable Alarm Mode	Mode 0 : High Alarm Comparator on Counter 0 and Counter 1 Mode 1 : Two Step High Alarm Comparator on Counter 1
Digital Output	Output Channels	2
	Output Type	Non-isolated Open-collector
	Max. Load Current	30 mA/ channel
	Load Voltage	5 ~ 30VDC
LED display		1 LED as Power/ Communication Indicator 8 LEDs as status indicators
Power Consumption		0.5W

I-87082W Pin Assignment



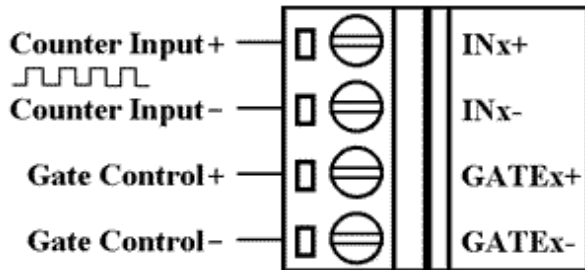
Terminal No.	Pin Assignment Name
01	DO0
02	DO1
03	IN0
04	GATE0
05	GND
06	IN1
07	GATE1
08	GND
09	IN0+
10	IN0-
11	GATE0+
12	GATE0-
13	IN1+
14	IN1-
15	GATE1+
16	GATE1-

I-87082W Wire Connection Type

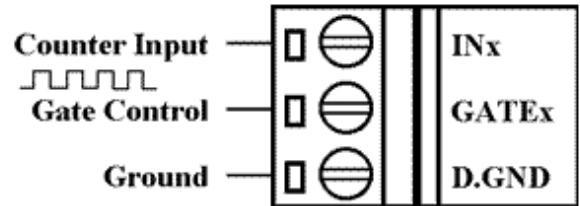
Wire Connection

Counter Type

Isolation

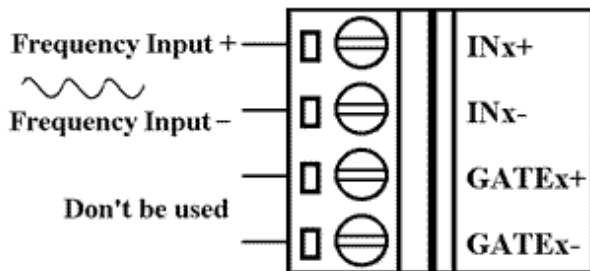


Non-isolation

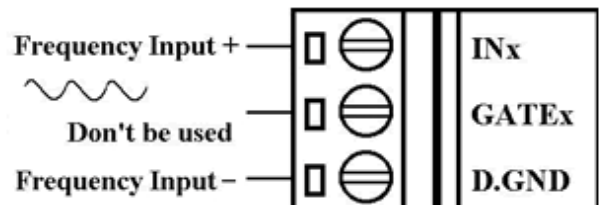


Frequency Type

Isolation



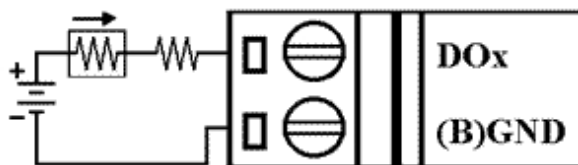
Non-isolation



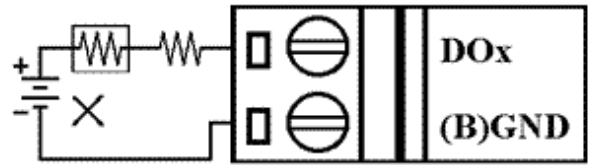
Output Type

Resistance Load

ON State

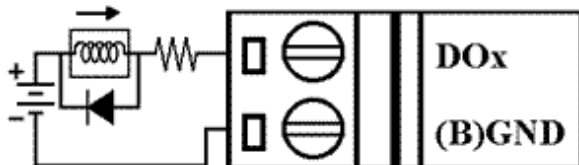


OFF State

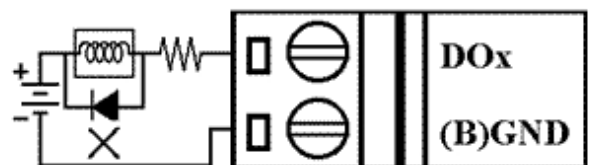


Inductance Load

ON State



OFF State



I-87082W Internal I/O Structure

