

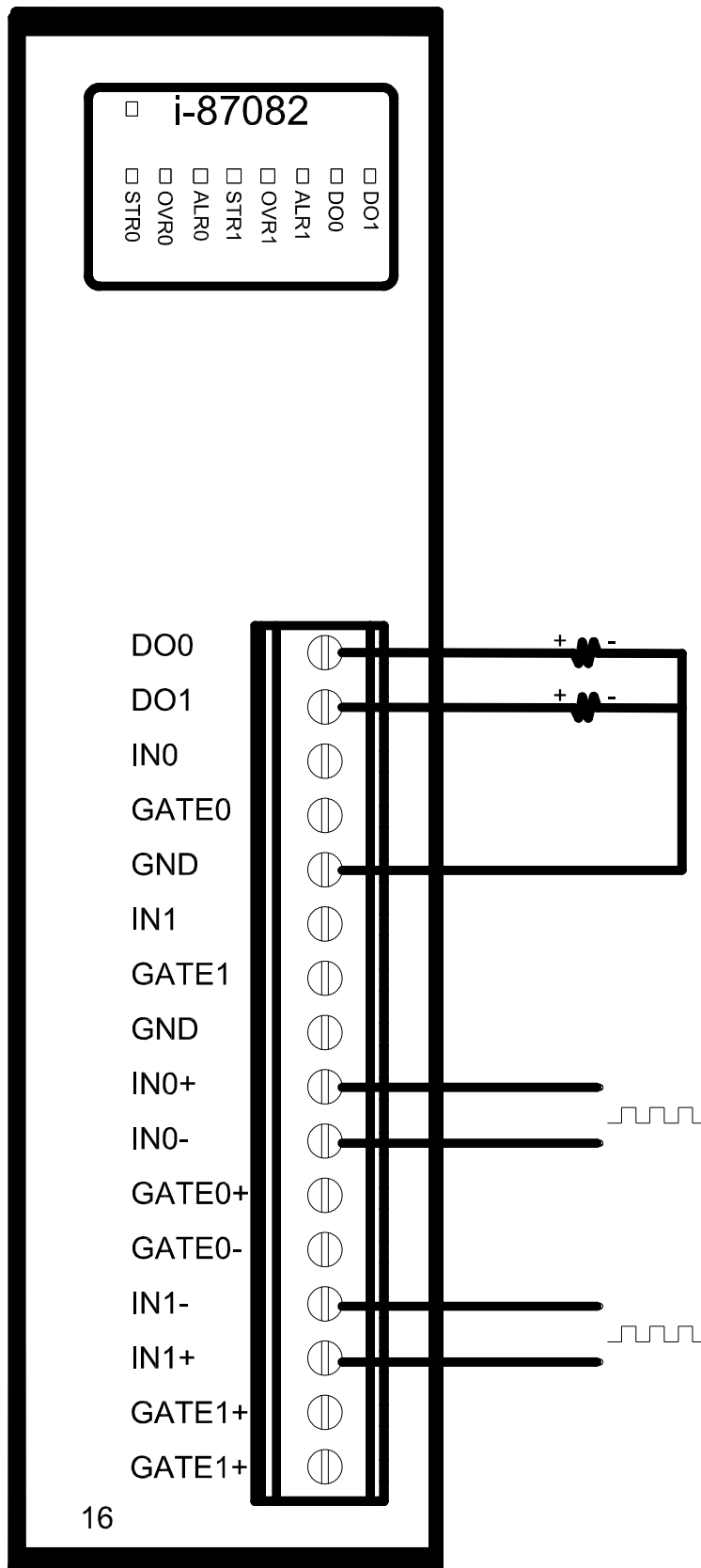
I-87082 Hardware User Guide *Ver 1.1*

Last Modified 05/14/2007

Specifications

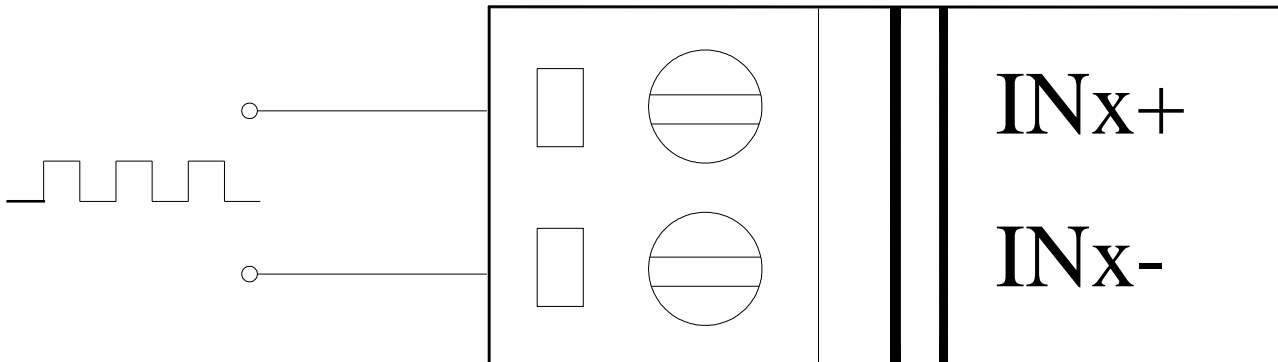
Counter & Frequency Module		
<i>Digital Input</i>	<i>Input Channel</i>	2
	<i>Input Type</i>	Isolated or non-isolated Programmable
	<i>Digital Filter</i>	2us to 65ms Programmable
<i>Isolated-Digital Input</i>	<i>Logic level 0</i>	+1V max
	<i>Logic level 1</i>	+3.5V to +30V
	<i>Isolation Voltage</i>	3750Vrms
<i>NonIsolated Digital Input</i>	<i>Logic level 0</i>	+0.1V to +5.0V, Default 0.8V Programmable
	<i>Logic level 1</i>	+0.1V to +5.0V, Default 2.4V Programmable
<i>Frequency Measurement</i>	<i>Input Frequency</i>	100K max
	<i>Gate Time</i>	1.0/0.1 sec
<i>Digital Output</i>	<i>Output Channel</i>	2 (Open-collector)
	<i>Sink Current</i>	30 mA max.
	<i>Power Dissipation</i>	300mW max.
<i>LED Display</i>		1 LED as Power indicator 8 LEDs as Status indicators
<i>Power Consumption</i>		Max : 1.0W

I-87082 Wire Connection

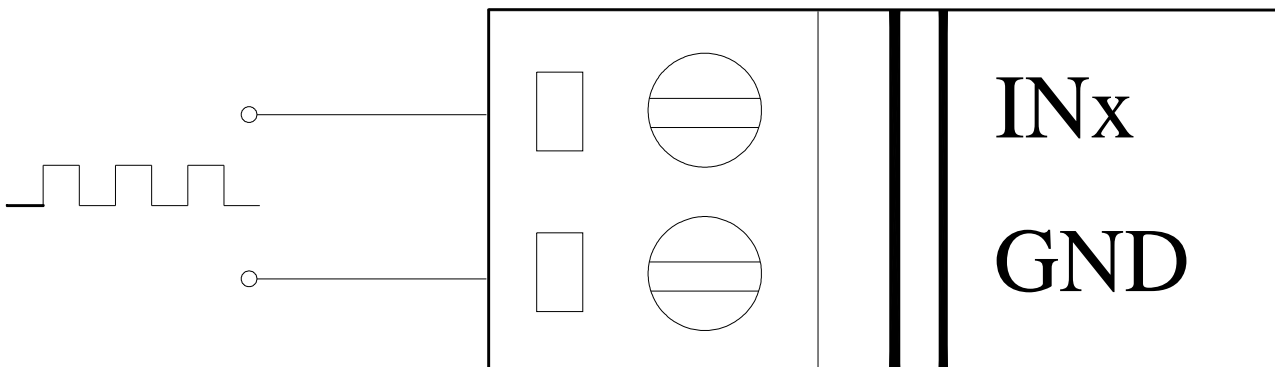


I-87082 Wire Connection Type

Isolation Input wiring



Non-isolation Input wiring

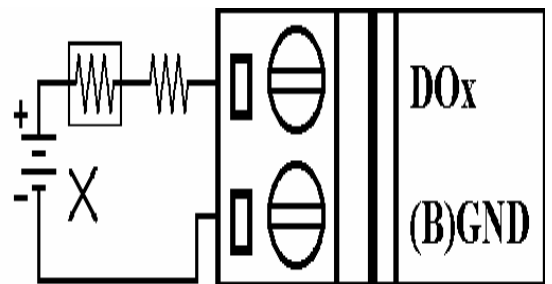
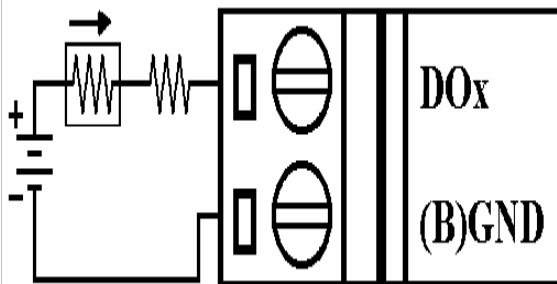


Output Type

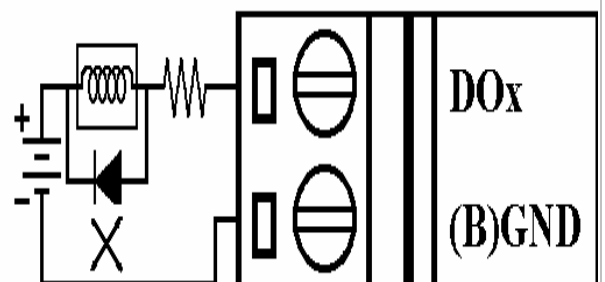
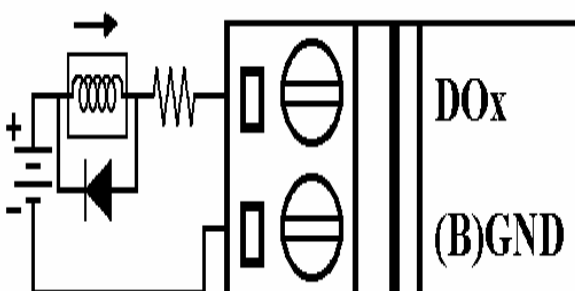
**ON State
LED ON
Readback as 1**

**OFF State
LED OFF
Readback as 0**

Resistance Load



Inductance Load



I-87082 Internal I/O Structure

