

# I-87053ML Hardware User Guide

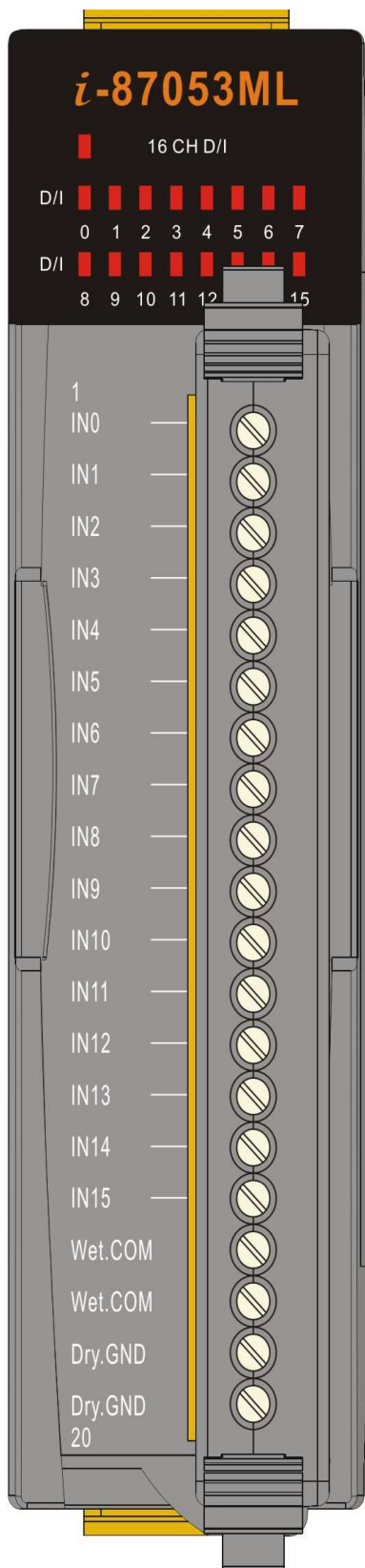
Ver 1.0

Last Modified 12/26/2005

## Specification

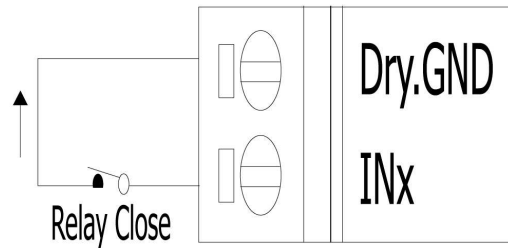
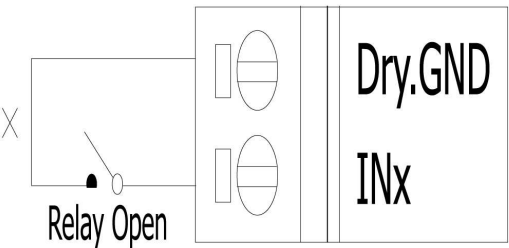
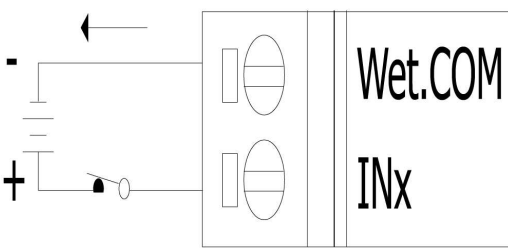
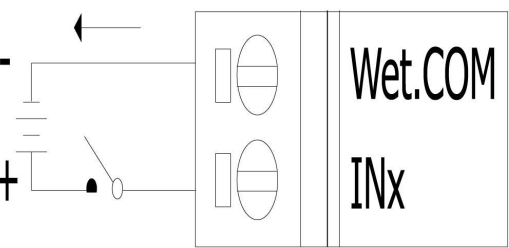
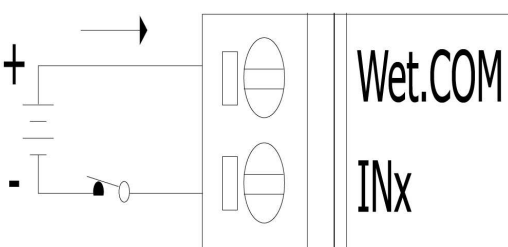
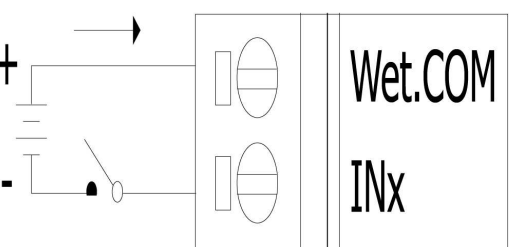
<b>Digital Input Module</b>		
<b><i>Input Channels</i></b>	<b><i>16 ( Dry+Wet )</i></b>	
<b><i>Input Type</i></b>	<b><i>Support Dry and Wet contact</i></b>	
<b><i>Dry Contact</i></b>	<b><i>ON voltage level</i></b>	<b><i>Close to GND</i></b>
	<b><i>OFF voltage level</i></b>	<b><i>Open</i></b>
<b><i>Wet Contact</i></b>	<b><i>ON voltage level</i></b>	<b><i>+68 ~ +140VDC</i></b>
	<b><i>OFF voltage level</i></b>	<b><i>+48VDC max.</i></b>
<b><i>Input Impedance</i></b>	<b><i>50K Ohms</i></b>	
<b><i>Isolation</i></b>	<b><i>3000 VDC</i></b>	
<b><i>Effective distance for dry contact: 500M max.</i></b>		
<b><i>Each D/I can be used as counter input: 100Hz (Max.), 16-bits counter</i></b>		
<b><i>LED Display</i></b>	<b><i>1 LED as Power indicator 16 LEDs as DI indicators</i></b>	
<b><i>Power Consumption</i></b>	<b><i>0.8W max.</i></b>	

# I-87053ML Pin Assignment



Terminal No.	Pin Assignment Name
01	IN0
02	IN1
03	IN2
04	IN3
05	IN4
06	IN5
07	IN6
08	IN7
09	IN8
10	IN9
11	IN10
12	IN11
13	IN12
14	IN13
15	IN14
16	IN15
17	Wet.COM
18	Wet.COM
19	Dry.GND
20	Dry.GND

# I-87053ML Wire Connection

Input Type	On State, LED On Readback as 1	Off State, LED Off Readback as 0
Dry Contact	Relay On	Relay Off
		
Wet Contact (Source)	Voltage > 68V	Voltage < 48V
		
Wet Contact (Sink)	Open Collector On	Open Collector Off
		

# I-87053ML Internal I/O Structure

