

## Advantech AE Technical Share Document

Date	2017/3/30	SR#	1-2042267148
Category	■FAQ □SOP	Related OS	N/A
Abstract	ADAM-60XX_The wet contact not response with open circuit device		
Keyword	ADAM-60XX, Wet contact, DI, Open-circuit, BE-version		
Related Product	ADAM-6050, ADAM-6051, ADAM-6060, ADAM-6066		

### ■ Problem Description:

This documentation shows how to use the DI wet contact function with high voltage and open-circuit sensors for ADAM-6K series (BE version)

### ■ Brief Solution - Step by Step:

The following picture is the specification for the DI of ADAM-6K series (BE version), please note that the logic 0 is 0~3V instead of open circuit.

If the device that connected to DI of ADAM-6K series (BE version), is open-circuit at logic 0, an extra resistor 4.7k  $\Omega$  resistor is needed. (Except for ADAM-6052)

### **ADAM-6060 Specifications**

- Communication: 10/100 Base-T Ethernet
- Supports Protocols: Modbus/TCP, TCP/IP, UDP, HTTP, ICMP, ARP
- Supports Peer-to-Peer and GCL (Refer to Section 5.3.4 and Chapter 7)

### **Digital Input**

- Channels: 6
- Dry Contact:
  - Logic level 0: Close to Ground
  - Logic level 1: Open
- Wet Contact:
  - Logic level 0: 0 ~ 3 VDC
  - Logic level 1: 10 ~ 30 VDC

## [Solution]

User may add a 4.7k  $\Omega$  resistor between DI X and Iso. GND to pull low the internal voltage of ADAM module to make it work.

### 6050/6051/6060/6066 (BE version)

