# X308 Release Note:

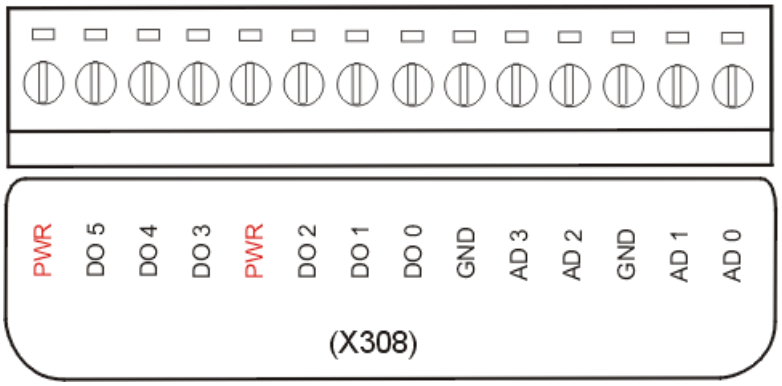
## Supported Products:

I-7188XB/XG/EX/EG, µPAC-7186EX/EG/EX-FD/EX-SM, µPAC-7186PEX

## Specifications:

| **Analog Input** | |
|---|---|
| Channel | 4 |
| Wiring | Single-Ended |
| Range | 0 ~ +10 VDC |
| Resolution | 12-bit |
| Sampling Rate | 1 KHz Max. (Read one channel) |
| Input Impedance | 2 MOhm |
| Over voltage Protection | +/- 30 VDC |
| Intra-module Isolation, Field to Logic | non-isolated |
| **Digital Output** | |
| Channel | 6 |
| Contact | Open Collector |
| Sink / Source (NPN / PNP) | Sink (NPN) |
| Load Voltage | +30 VDC Max. |
| Max. Load Current | 100 mA Max. |
| Intra-module Isolation, Field to Logic | non-isolated |

## Pin Assignment:

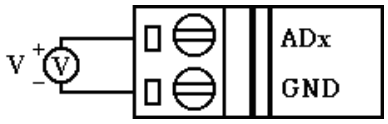





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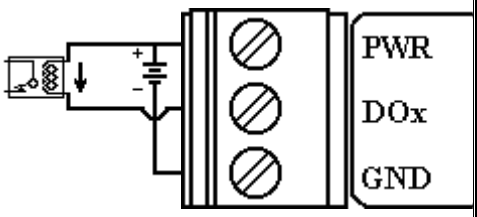
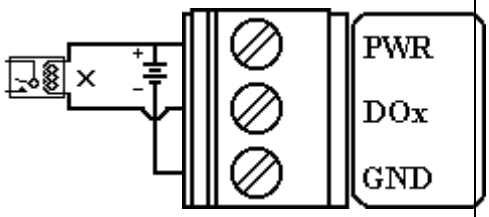
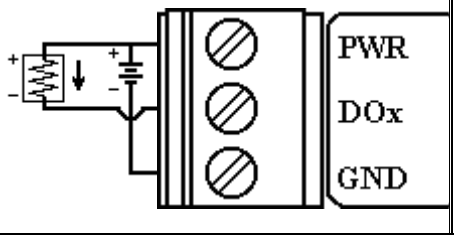
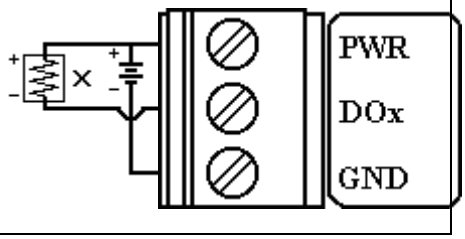
## Wire Connection:

### Voltage Input Wire Connection

| Input Type |  |
|---|---|



### Digital Output Wire Connection

| Input Type | ON State<br>DO value as 1 | OFF State<br>DO value as 0 |
|---|---|---|
| Drive Relay |  |  |
| Resistance Load |  |  |



## Programming:

**for I-7188XB**

http://ftp.icpdas.com/pub/cd/8000cd/napdos/7188xabc/7188XB/Demo/BC_TC/Xboard/

**for I-7188EX**

http://ftp.icpdas.com/pub/cd/8000cd/napdos/7188e/demo/bc_tc/xboard/

**for µPAC-7186EX**

http://ftp.icpdas.com/pub/cd/8000cd/napdos/7186e/demo/basic/bc_tc/xboard/

**for I-7188XG/I-7188EG (manual, Driver, Demo)**

http://ftp.icpdas.com/pub/cd/8000cd/napdos/isagraf/

## Manual:

http://ftp.icpdas.com/pub/cd/8000cd/napdos/xboard/document/

## Technical Service:

service@icpdas.com



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