



**Model:M-7080D**

## **M-7080D**

Counter/Frequency Input Module  
M-7080D : M-7080D with LED Display

### **Counter Input**

- Channels: 2 independent 32-bit counters, counter 0&1
- Input mode: Isolated or non-isolated
- Isolation input levels:  
Logic level 0: +1V max.  
Logic level 1: +3.5 to 30V
- Isolation voltage: 3750Vrms
- Non-Isolation input level:  
Programmable threshold voltage  
Logic level 0: 0 to +5V (default= 0.8V)  
Logic level 1: 0 to +5V (default= 2.4V)
- Maximum count: 32 bit (4,294,967,295)
- Programmable digital noise filter: 2 us to 65 ms
- Alarming: alarm on counter 0 or counter 0 & 1, programmable
- Counter preset value: programmable

### **Display**

- LED Indicator : 5-digit readout, Channel 0 or Channel 1

### **Frequency Measurement**

- Input frequency: 1 Hz to 100KHz max.
- Programmable built-in gate time: 1.0/0.1sec

### **Digital Output**

- 2-channels, open-collector to 30V, 30mA max. load
- Power dissipation: 300mW

## Communication Interface

- RS-485

## Power Supply

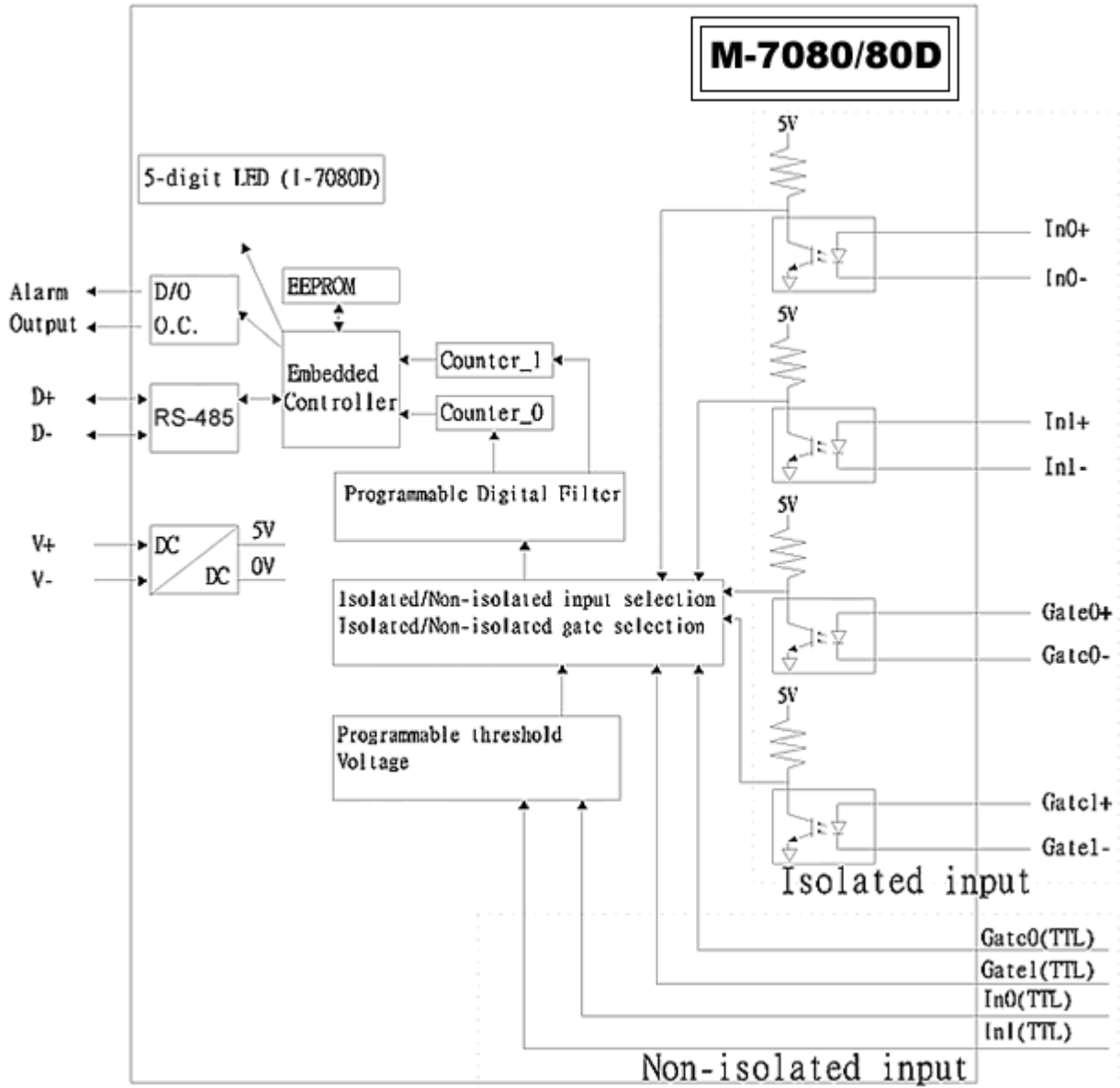
- Input Power: 10~30Vdc
- Consumption :  
2.0W max. for M-7080  
2.2W max. for M-7080D

## Ordering Information

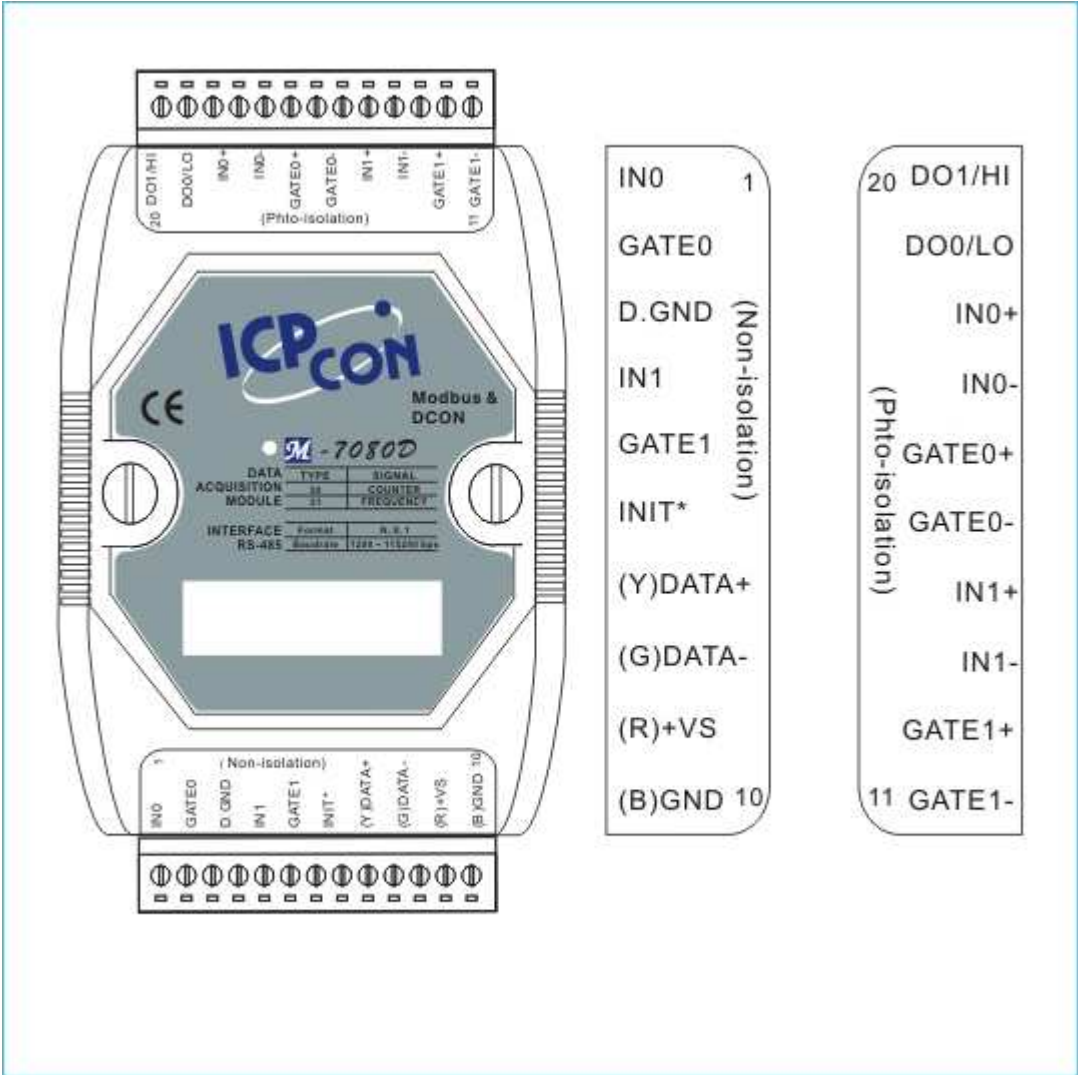
<b><i>M-7080</i></b>	Counter / Frequency input module
<b><i>M-7080D</i></b>	Counter / Frequency input module with display

# M-7080D Hardware

## Internal I/O Structure



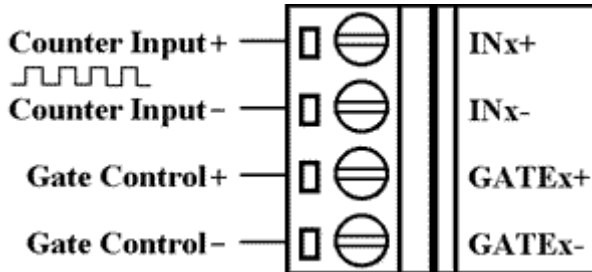
# PIN Assignment



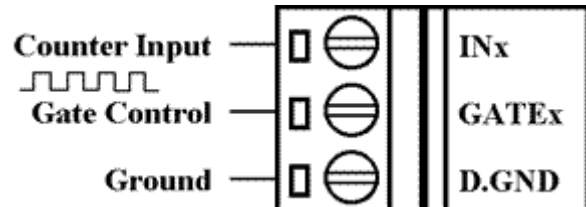
## Wire Connection

### Counter Type

#### Isolation

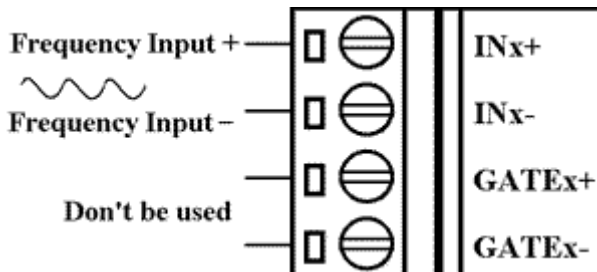


#### Non-isolation

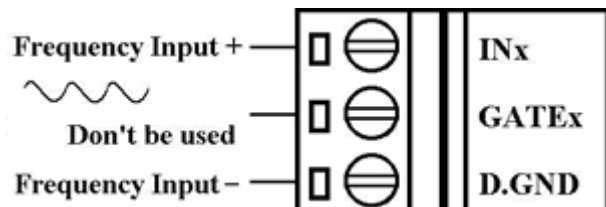


### Frequency Type

#### Isolation



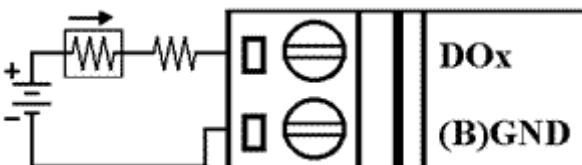
#### Non-isolation



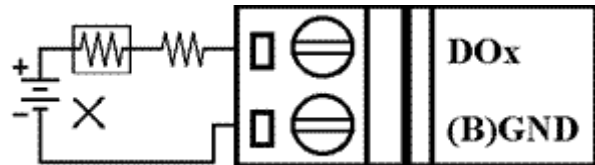
### Output Type

#### Resistance Load

#### ON State

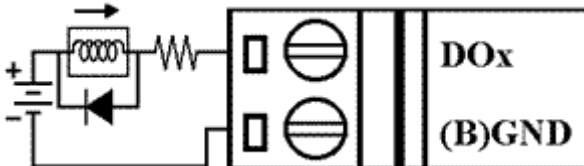


#### OFF State



#### Inductance Load

#### ON State



#### OFF State

