M-7080D

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



Model:M-7080D

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

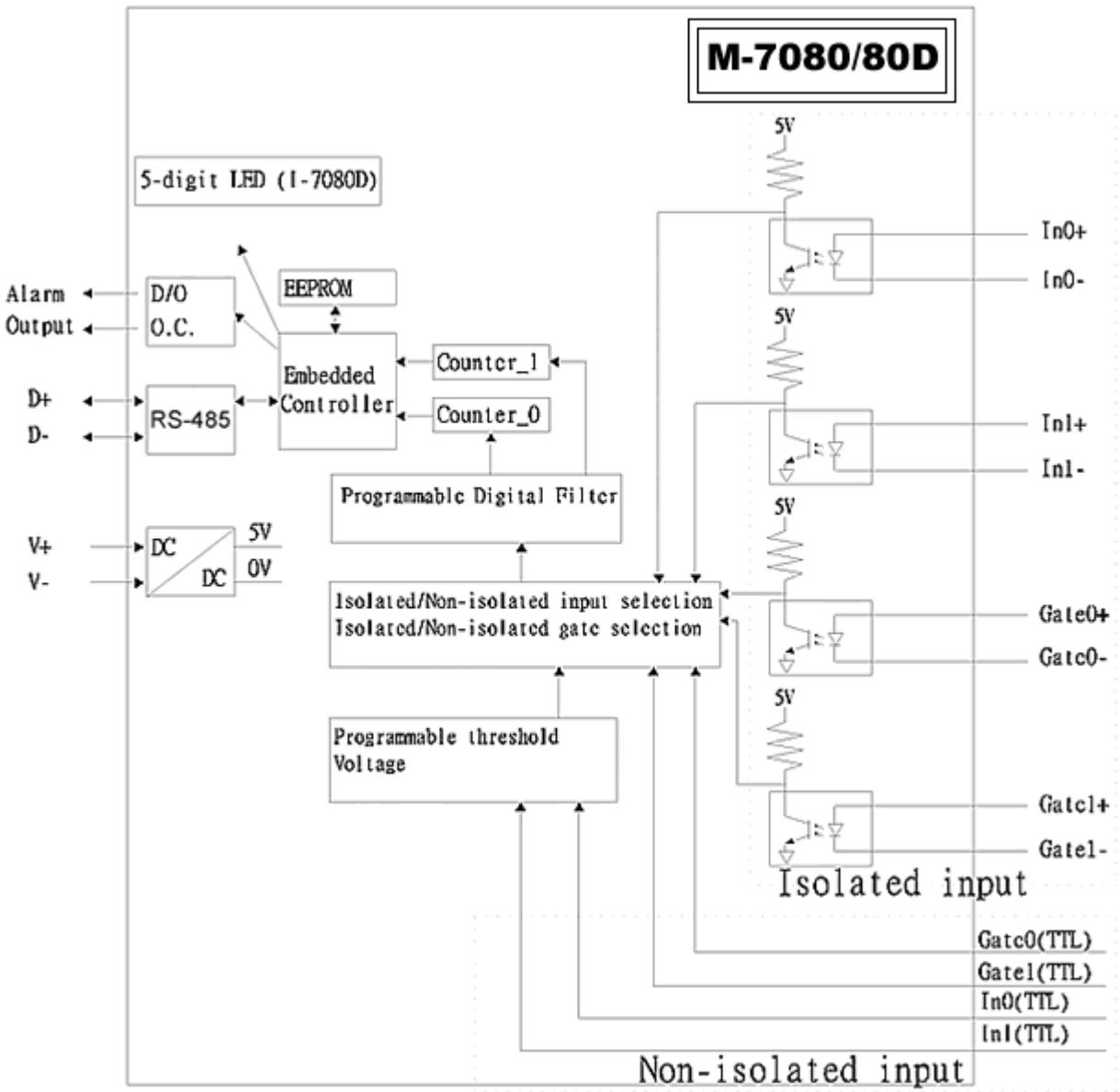
- Input Power: 10~30Vdc
- Consumption :
  2.0W max. for M-7080
  2.2W max. for M-7080D

Ordering Information

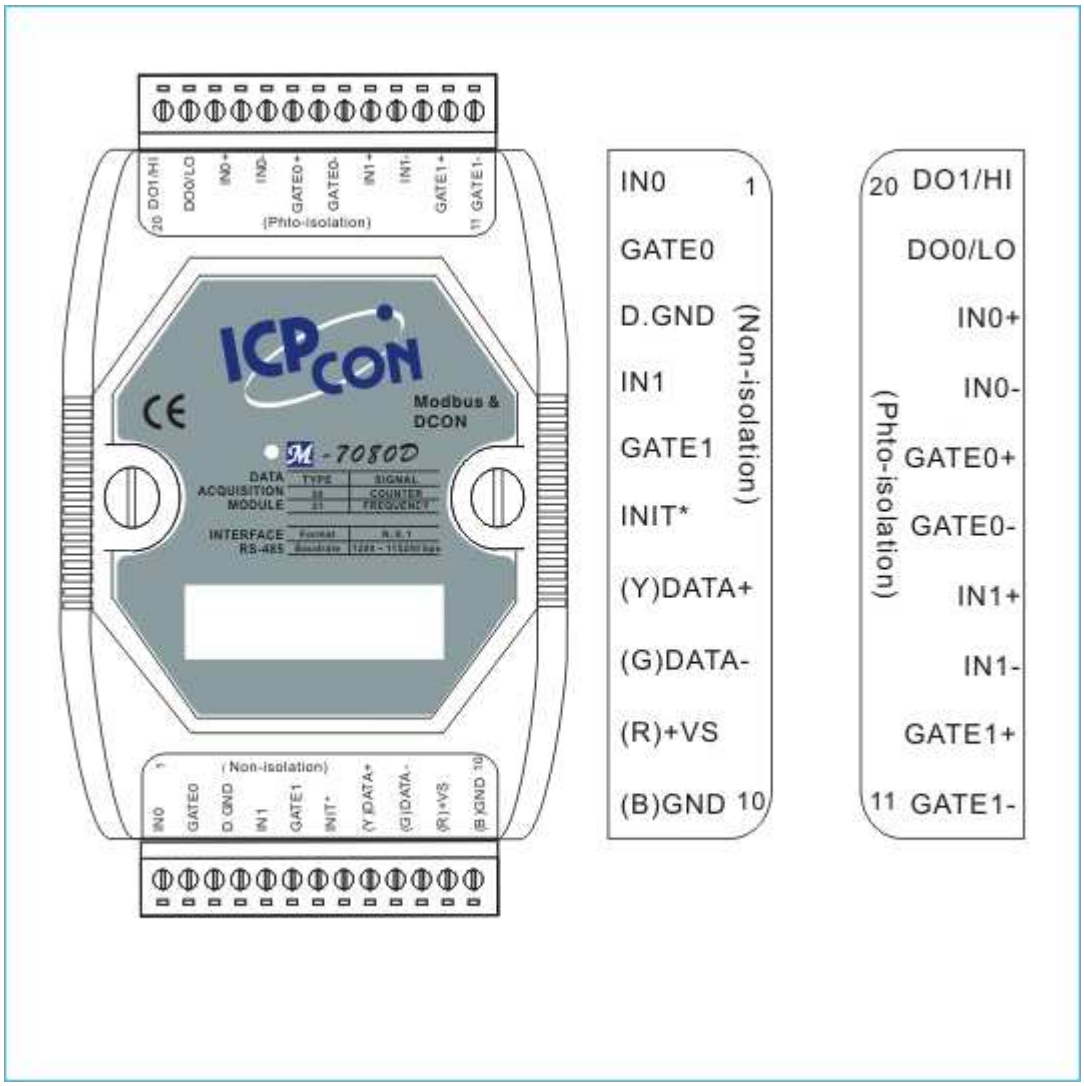
M-7080	Counter / Frequency input module
M-7080D	Counter / Frequency input module with display

M-7080D Hardware

Internal I/O Structure



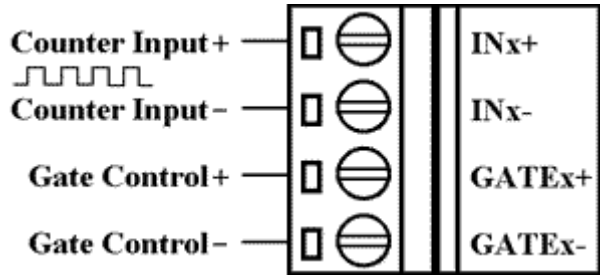
PIN Assignment



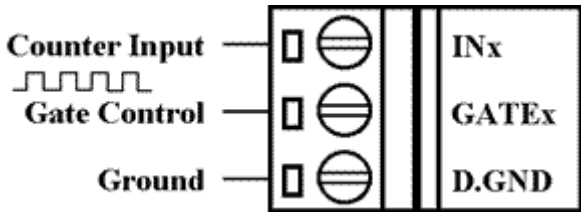
Wire Connection

Counter Type

Isolation

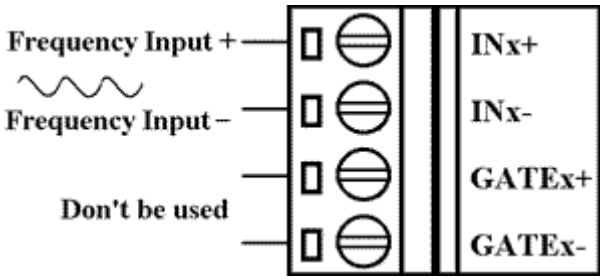


Non-isolation

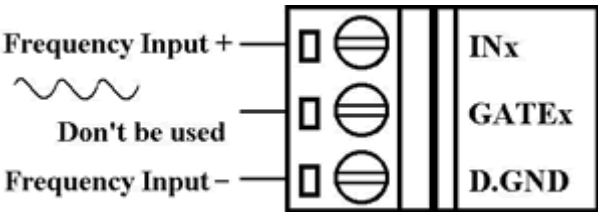


Frequency Type

Isolation



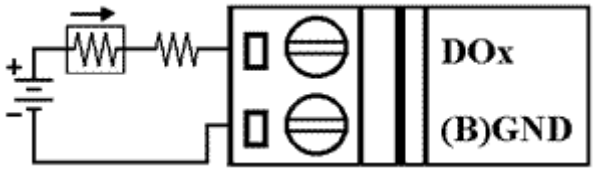
Non-isolation



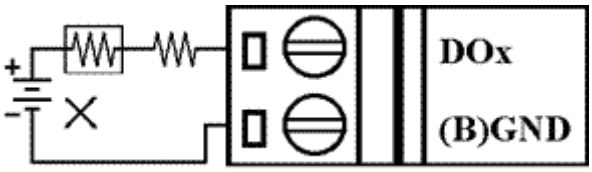
Output Type

Resistance Load

ON State

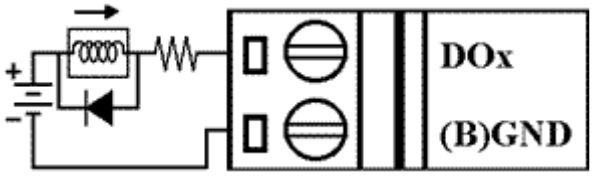


OFF State



Inductance Load

ON State



OFF State

