

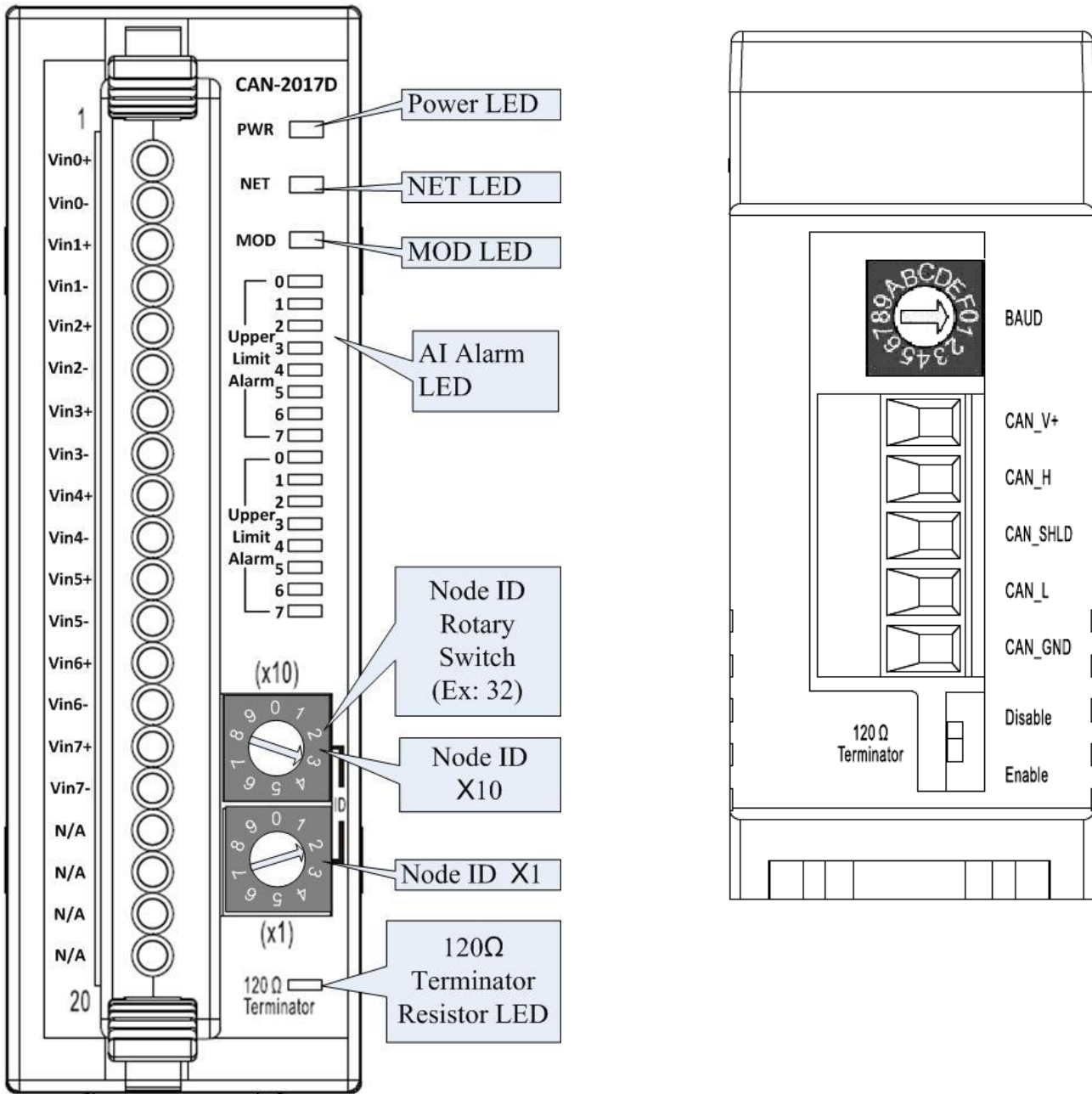
# CAN-2017D Quick Start

## Hardware Specification

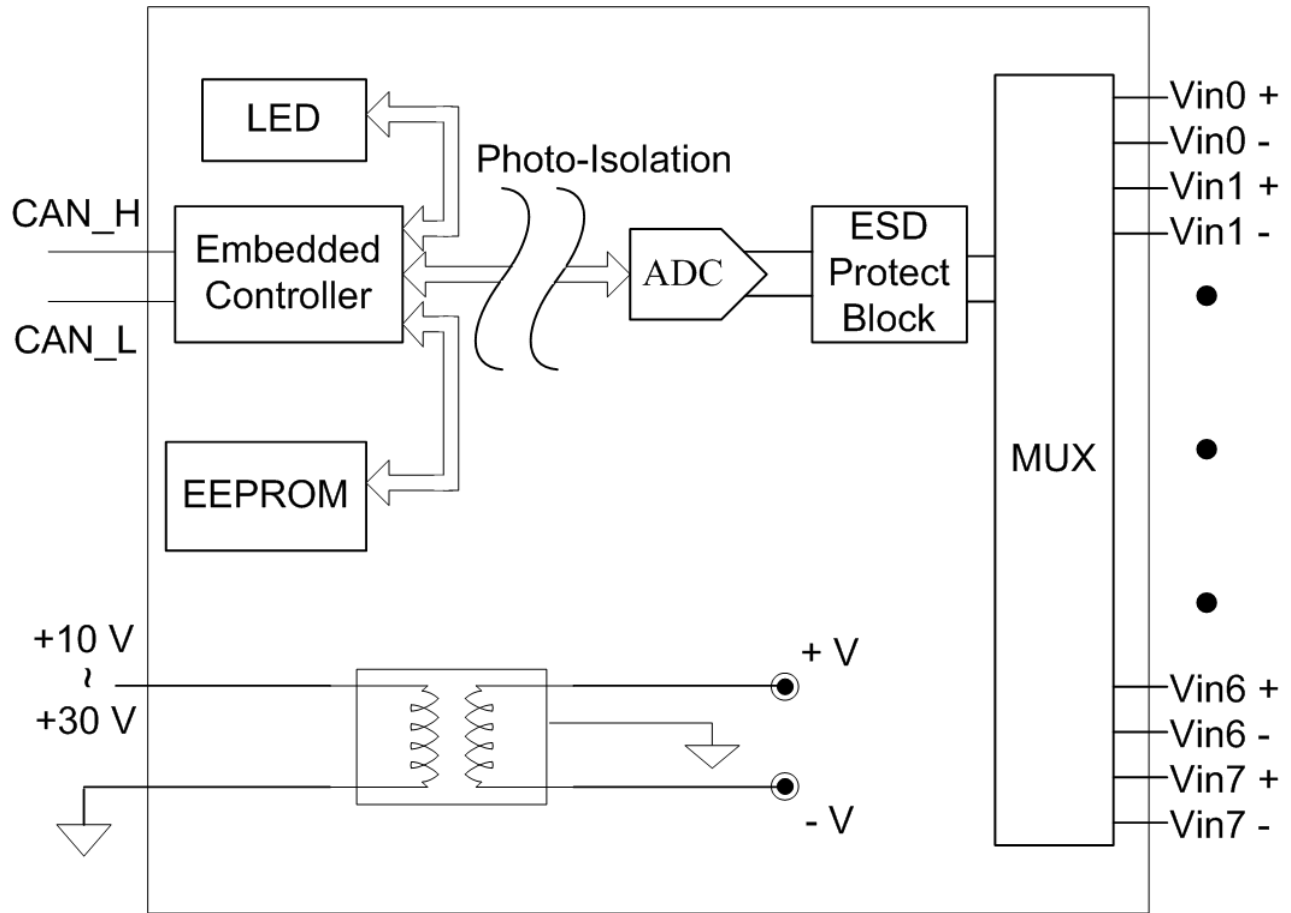
<b>CAN Interface</b>	
DeviceNet Specification	Volume I, Release 2.0 & Volume II, Release 2.0, Errata 5
DeviceNet Subscribe	Group 2 Only Server
Supported Connection	1 connection for Explicit Messaging 1 connection for Polled I/O 1 connection for Bit-Strobe I/O connection
Node ID	0~63 selected by rotary switch
Baud Rate (bps)	125 k, 250 k, 500 k, selected by rotary switch
Heartbeat Message	Yes
Shutdown Message	Yes
Terminator Resistor	Switch for 120 $\Omega$ terminator resistor
Connector	5-pin screwed terminal block (CAN_GND, CAN_L, CAN_SHLD, CAN_H, CAN_V+)
<b>Analog Input</b>	
Channels	8 Differential
Input Type	+/- 10V, +/- 5V, +/- 1V, +/- 500mV, +/- 150mV -20mA ~ +20mA(Requires Optional External 125 $\Omega$ Resistor)
Resolution	16-bit
Sampling Rate	10 Samples/ sec (Total)
Accuracy	+/-0.1% FSR
ESD Protection	+/-4 kV, Contact for each channel
<b>LED</b>	
Status LED	PWR LED, NET LED, MOD LED
Terminal Resister LED	Terminal Resister Indicator
Alarm LED	8 LEDs as over Upper Limit Indicators 8 LEDs as below the Lower Limit Indicators
<b>Power</b>	
Input range	Unregulated +10 ~ +30 V <sub>DC</sub>
Power Consumption	2.0 W
<b>Environment</b>	
Operating Temp.	-25 ~ 75 $^{\circ}$ C
Storage Temp.	-30 ~ 80 $^{\circ}$ C
Humidity	10 ~ 90% RH, non-condensing

**For more information about CAN-2017D, please visit the following website:**  
[http://www.icpdas.com/products/Remote\\_IO/can\\_bus/can-2017d.htm](http://www.icpdas.com/products/Remote_IO/can_bus/can-2017d.htm)

# CAN-2017D Pin Assignments

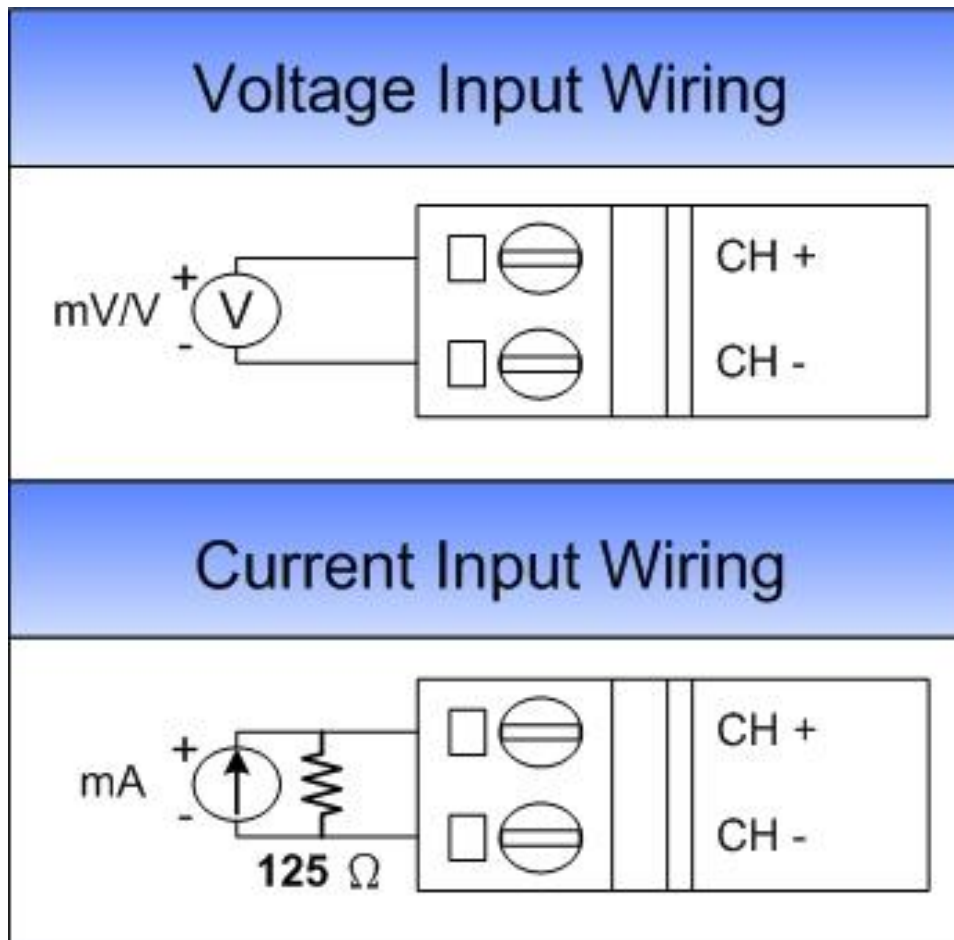


# CAN-2017D Internal I/O Structure



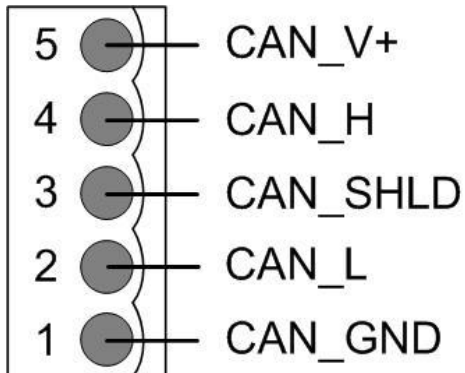
CAN-2017 Internal I/O Structure

## CAN-2017D Wiring Connection Type



**Note:** When connecting to a current source, an optional external 125-Ohm precision resistor is required.

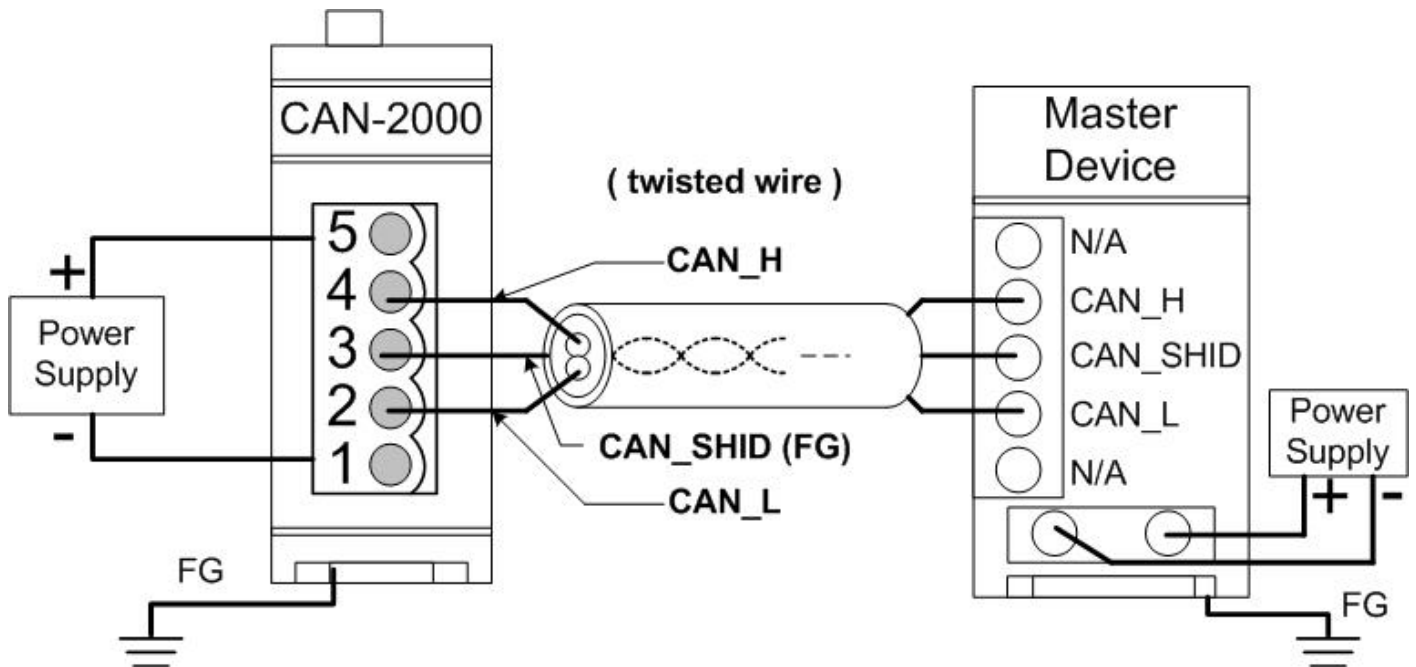
## CAN-2017D CAN Bus Wire Connection



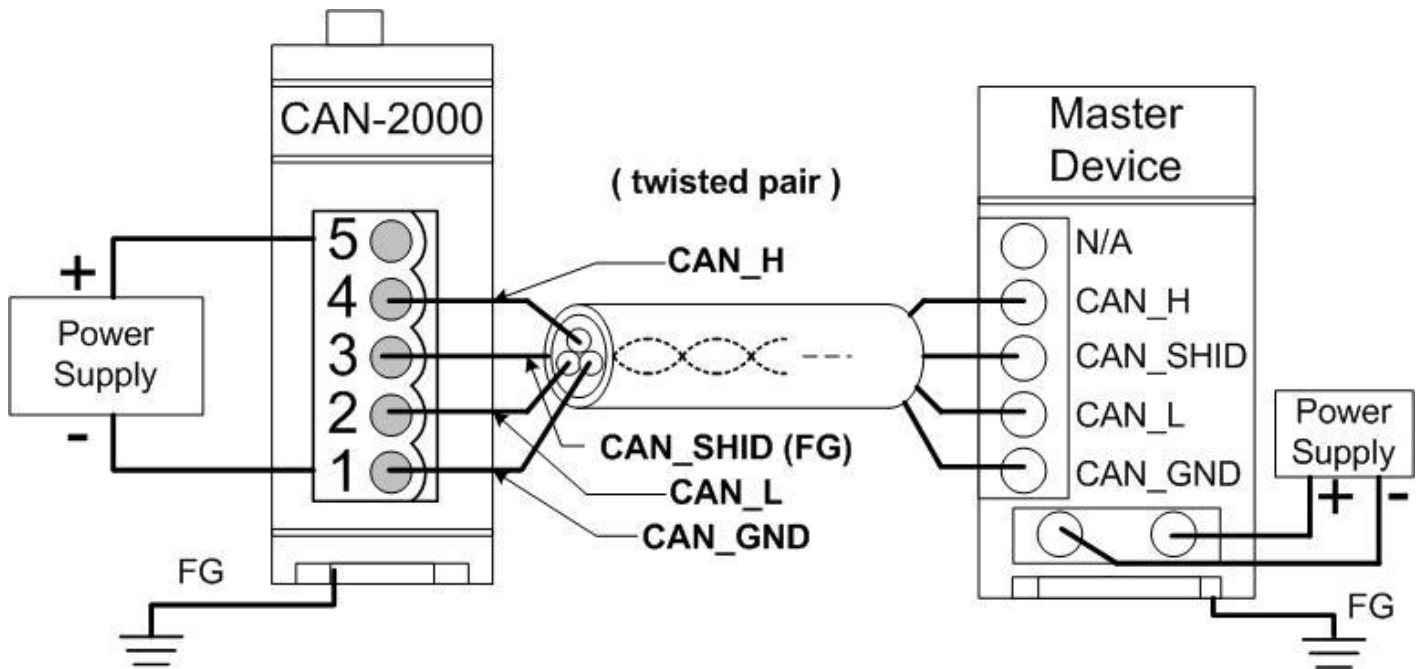
Pin	Signal	Description
5	CAN_V+	Power positive
4	CAN_H	Signal high of CAN Bus line
3	CAN_SHLD	Cable Shield ( <b>FG</b> )
2	CAN_L	Signal low of CAN Bus line
1	CAN_GND	CAN ground

\* CAN\_SHLD (FG) is Optional.

### 2-Wire Connection



### 3-Wire Connection



### 4-Wire Connection (The CAN-2000 is powered by the master device)

