

# CAN-2018D Hardware User Guide Ver 1.0

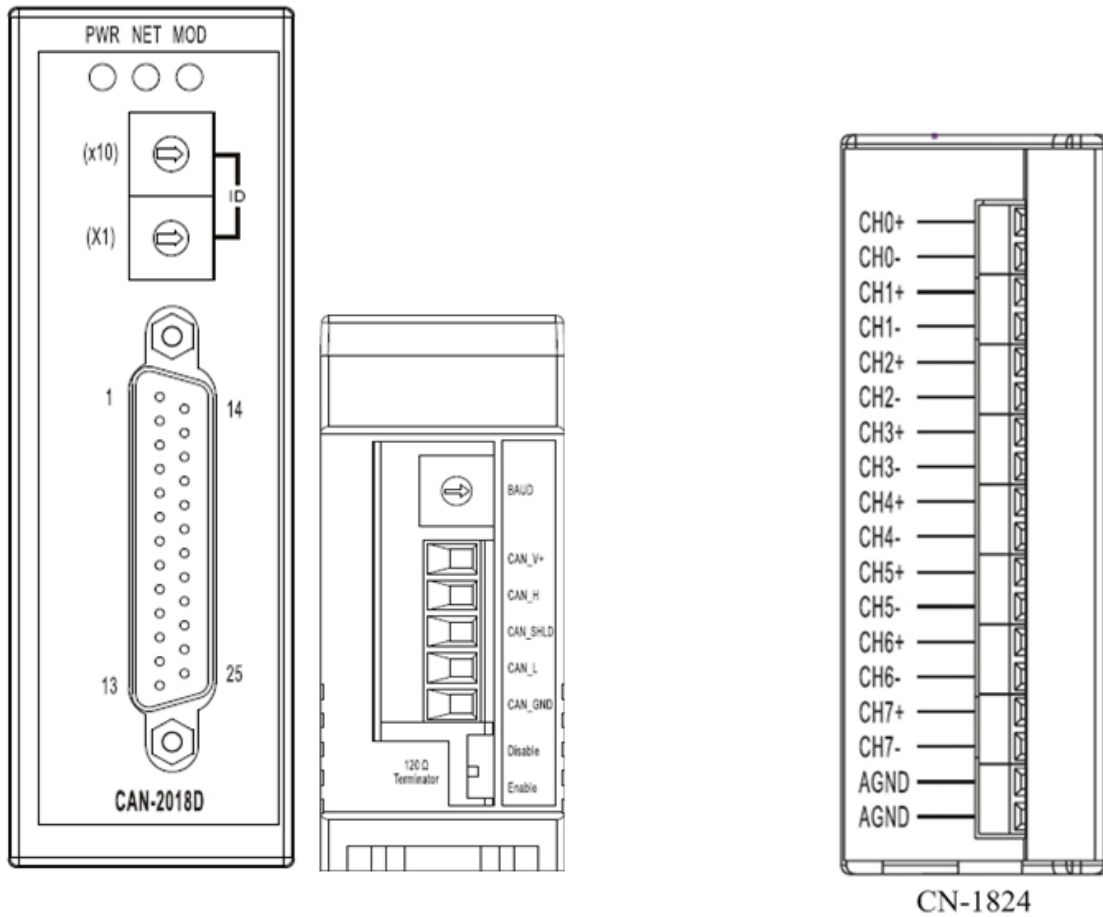
Last Modified Aug/2011

## 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
Node ID	0~63, selected by rotary switch
Baud Rate (bps)	125 kbps, 250 kbps, 500 kbps, selected by rotary switch
Heartbeat Message	Yes
Shutdown Message	Yes
Terminator Resistor	Switch for 120 $\Omega$ terminator resistor
<b>Analog Input</b>	
Channels	8 Differential
Input Type	+/- 15mV, +/- 50mV, +/- 100mV, +/- 500mV, +/- 1V, +/- 2.5V -20mA ~ +20mA(Requires Optional External 125 $\Omega$ Resistor) Thermocouple(J, K, T, E, R, S, B, N, C)
Resolution	16-bit
Sampling Rate	10 Samples/ sec (Total)
Accuracy	+/-0.1% FSR
ESD Protection	+/-4 kV, Contact for each channel
<b>LED</b>	
Round LED	PWR LED, NET LED, MOD LED
<b>Power</b>	
Input range	Unregulated +10 ~ +30 V <sub>DC</sub>
Power Consumption	1.5 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-2018D, please visit the following website:  
[http://www.icpdas.com/products/Remote\\_IO/can\\_bus/CAN-2018D.htm](http://www.icpdas.com/products/Remote_IO/can_bus/CAN-2018D.htm)

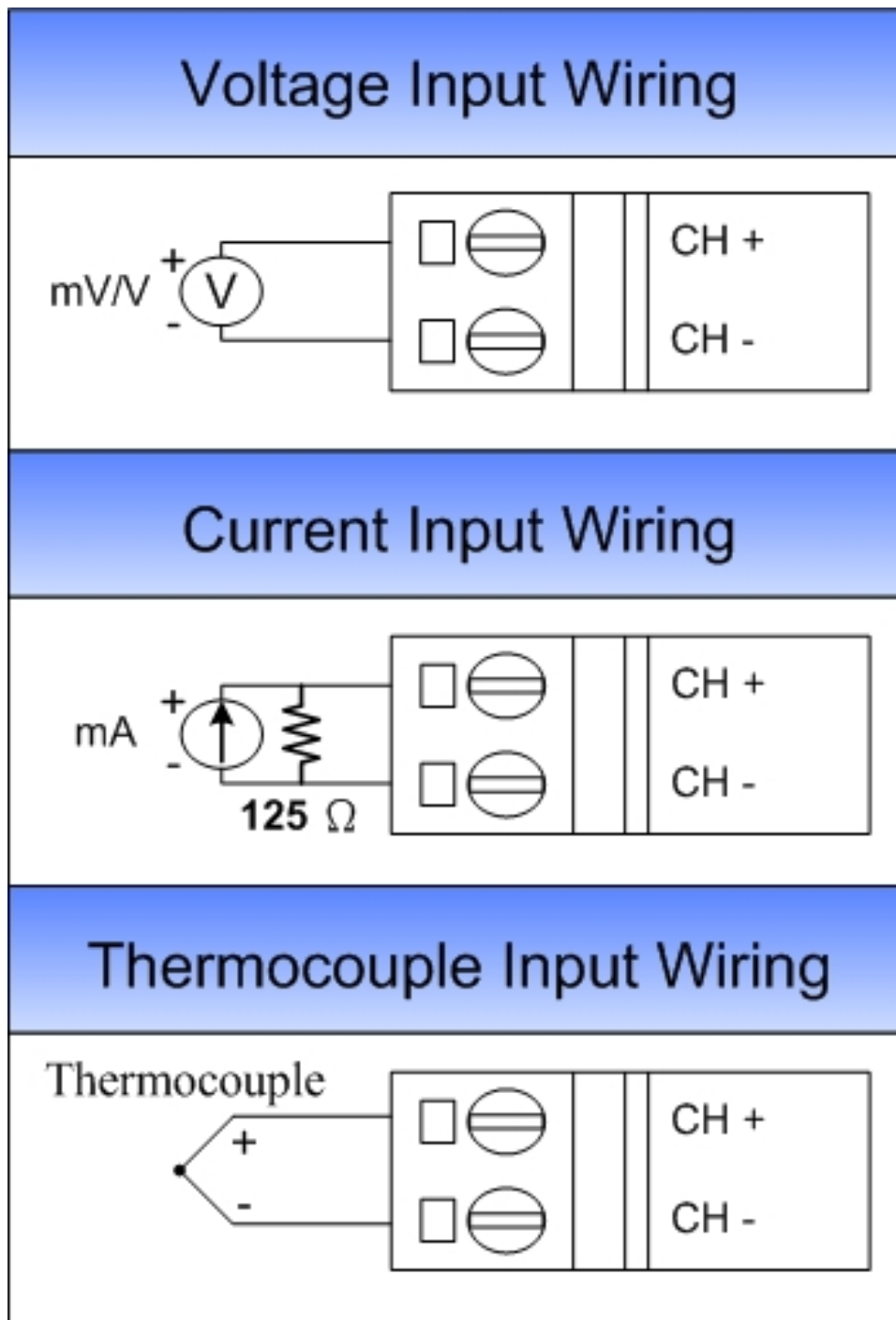
# CAN-2018D Wiring Connection



Pin Assignment Name	Terminal No.	Pin Assignment Name
+5V	01	
CJC	02	14 DGND
CH0-	03	15 CH0+
CH1-	04	16 CH1+
CH2-	05	17 CH2+
CH3-	06	18 CH3+
CH4-	07	19 CH4+
CH5-	08	20 CH5+
CH6-	09	21 CH6+
CH7-	10	22 CH7+
N.C.	11	23 N.C.
N.C.	12	24 N.C.
AGND	13	25 AGND
		Shield
		F.G.

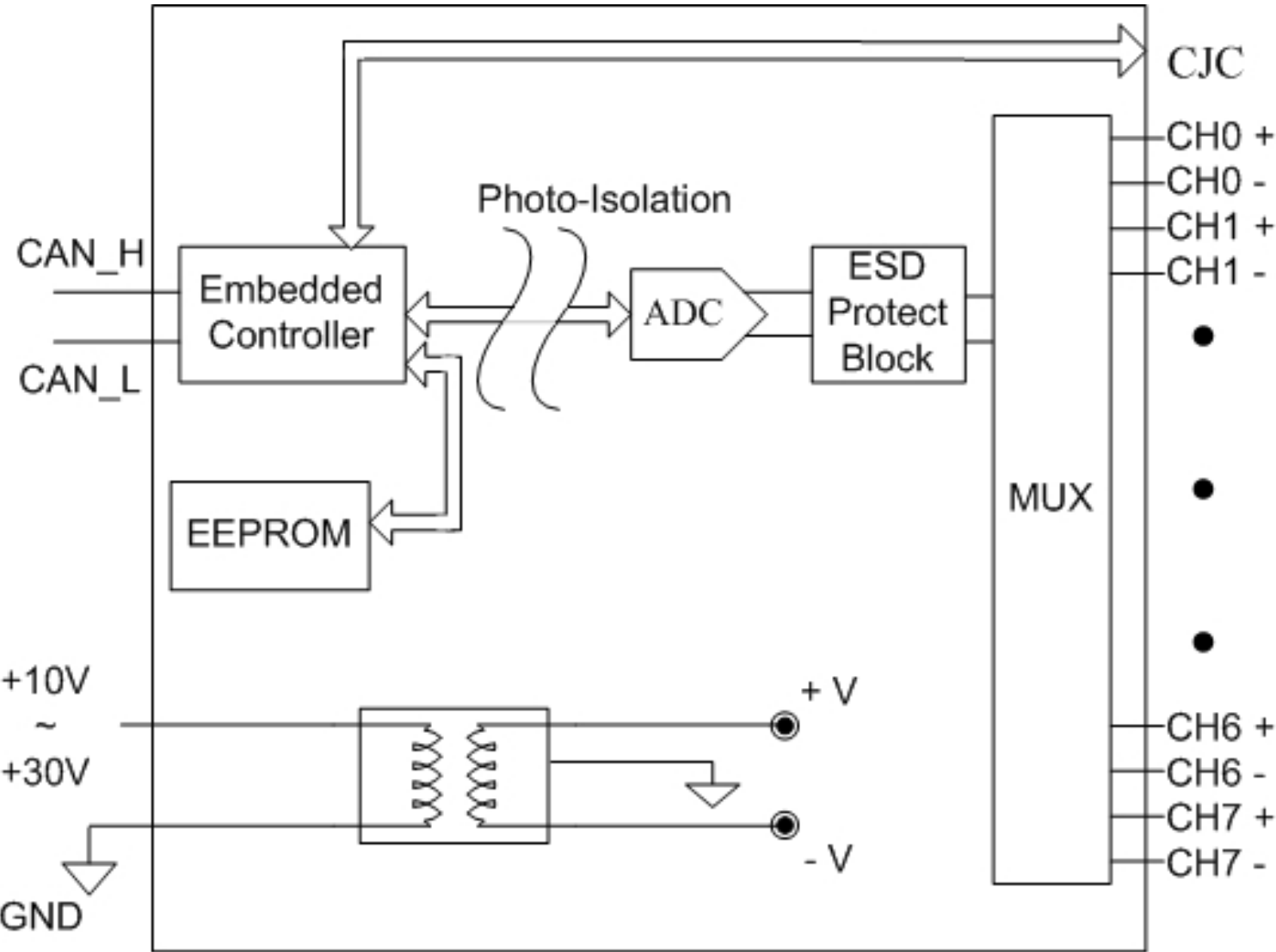
CAN-2018D 25-pin Female D-Sub Connector

## CAN-2018D Wiring Connection Type



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

# CAN-2018D Internal I/O Structure



Internal I/O Structure