

# CAN-2018D/S

8-channel Thermocouple Input Module of DeviceNet Slave

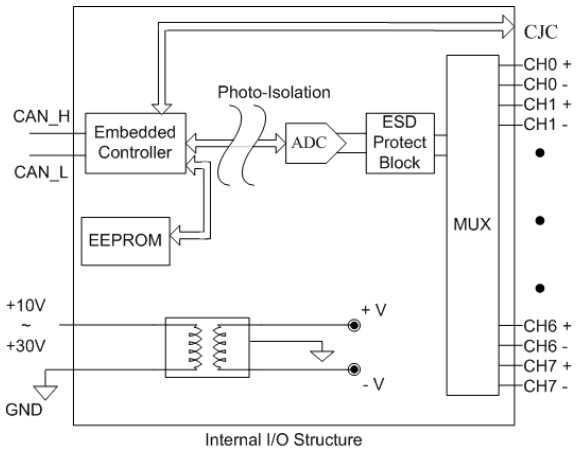
## Features

- DeviceNet general I/O slave devices
- Comply with DeviceNet specification Volume I, Release 2.0 & Volume II, Release 2.0, Errata 5
- Group 2 Only Server (non UCMM-capable)
- Connection supported:
  - 1 connection for Explicit Messaging
  - 1 connection for Polled I/O
  - 1 connection for Bit-Strobe I/O connection
- Support DeviceNet heartbeat and shutdown messages
- Provide EDS file for DeviceNet master interface

## Introduction

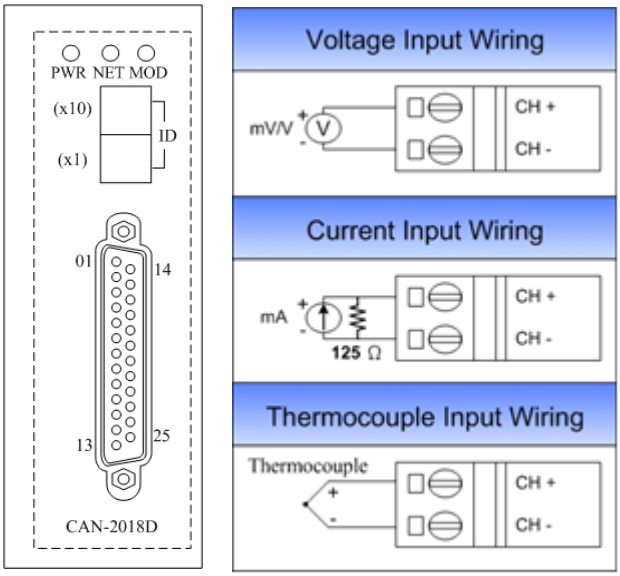
The CAN-2018D follows DeviceNet specification Volume I/II, Release 2.0. User can access the thermocouple input status and set the configuration via DeviceNet EDS file. This module has 8 differential thermocouple input channels. By the DeviceNet masters of ICP DAS, you can quickly build a DeviceNet network to approach your requirements.

## Internal I/O Structure

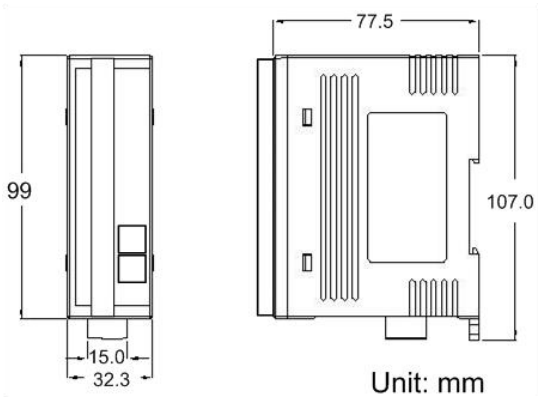



Internal I/O Structure

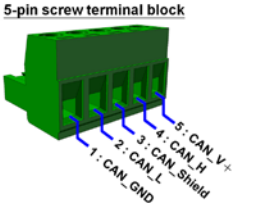
## I/O Pin & Wire Connection




## Dimensions (Units: mm)




## CAN Pin & Baud Rate Rotary






Baud rate rotary switch

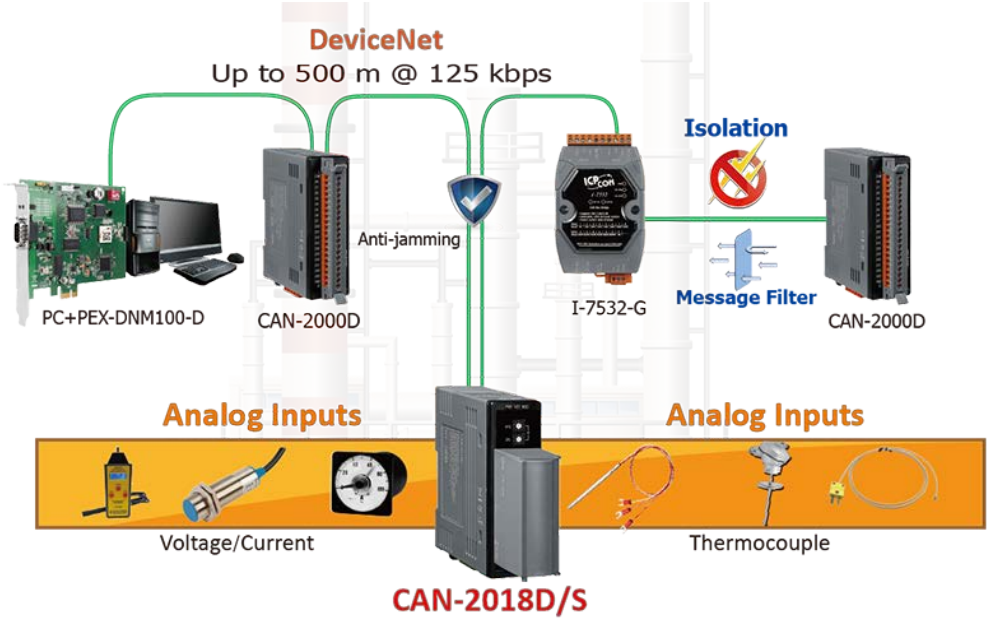
| Switch Value | Baud Rate |
|---|---|
| 0 | 125 kbps |
| 1 | 250 kbps |
| 2 | 500 kbps |

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## Specifications

| | |
|---|---|
| **CAN Interface** | |
| DeviceNet Specification | Volume I, Release 2.0 & Volume II, Release 2.0, Errata 5 |
| DeviceNet subscribe | Group 2 Only Server |
| Connection supported | 1 connection for Explicit Messaging<br>1 connection for Polled I/O<br>1 connection for Bit-Strobe I/O |
| Node ID | 0~63 selected by rotary switch |
| Baud Rate (bps) | 125 kbps, 250 kbps, 500 kbps |
| Heartbeat/Shutdown message | Yes |
| Terminal Resistor | Switch for 120 Ω terminal resistor |
| **Analog Input** | |
| Channels | 8 Differential |
| Input Type | +/- 15mV, +/- 50mV, +/- 100mV, +/- 500mV, +/- 1V, +/- 2.5V<br>-20mA ~ +20mA(Requires Optional External 125Ω Resistor)<br>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 |
| **LED** | |
| Round LED | PWR LED, NET LED, MOD LED |
| **Power** | |
| Input range | Unregulated +10 ~ +30 VDC |
| Power Consumption | 1.5 W |
| **Mechanism** | |
| Installation | DIN-Rail |
| Dimensions | 33 mm x 99 mm x 78 mm (W x L x H) |
| **Environment** | |
| Operating Temp. | -25 ~ 75 ℃ |
| Storage Temp. | -30 ~ 80 ℃ |
| Humidity | 10 ~ 90% RH, non-condensing |

## Application




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## Ordering Information

| | |
|---|---|
| **CAN-2018D/S** | DeviceNet Slave Module of 8-channel Thermocouple Input<br>Include CAN-2018D module and a CN-1824 daughter board |