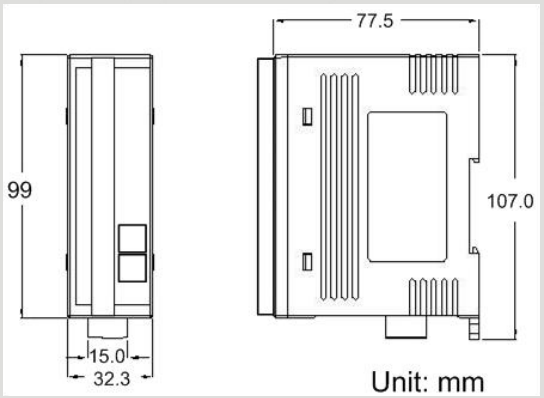
# DeviceNet Series Products

## 8-channel Analog Input Module of DeviceNet Slave

*CAN-2017D*



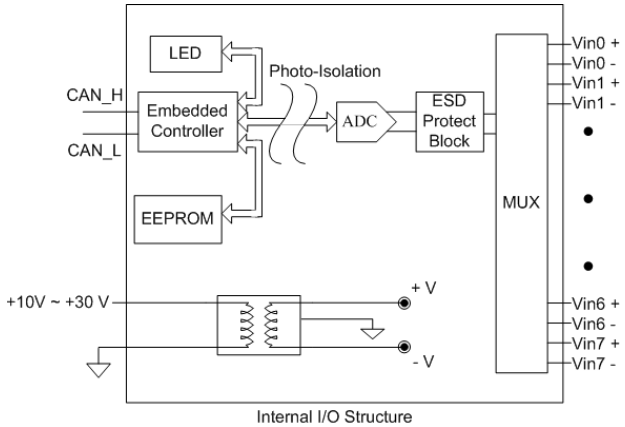

Dimensions

The CAN-2017D follows DeviceNet specification Volume I/II, Release 2.0. User can access the analog input status and set the configuration via DeviceNet EDS file. This module has 8 differential analog input channels. By the DeviceNet masters of ICP DAS, you can quickly build a DeviceNet network to approach your requirements.

## 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)
- Support Predefined Master/Slave Connection Set
- 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

## Internal I/O Structure

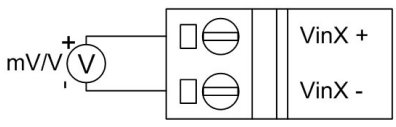



Internal I/O Structure

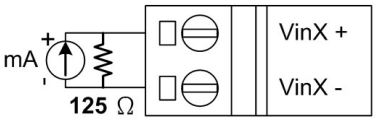
## I/O Pin & Wire Connection

| Terminal No. | Pin Assignment |
|---|---|
| 01 | Vin 0 + |
| 02 | Vin 0 - |
| 03 | Vin 1 + |
| 04 | Vin 1 - |
| 05 | Vin 2 + |
| 06 | Vin 2 - |
| 07 | Vin 3 + |
| 08 | Vin 3 - |
| 09 | Vin 4 + |
| 10 | Vin 4 - |
| 11 | Vin 5 + |
| 12 | Vin 5 - |
| 13 | Vin 6 + |
| 14 | Vin 6 - |
| 15 | Vin 7 + |
| 16 | Vin 7 - |
| 17 | N/A |
| 18 | N/A |
| 19 | N/A |
| 20 | N/A |

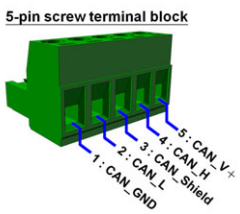
### Voltage Input Wiring




### Current Input Wiring




## CAN Pin & Baud Rate Rotary



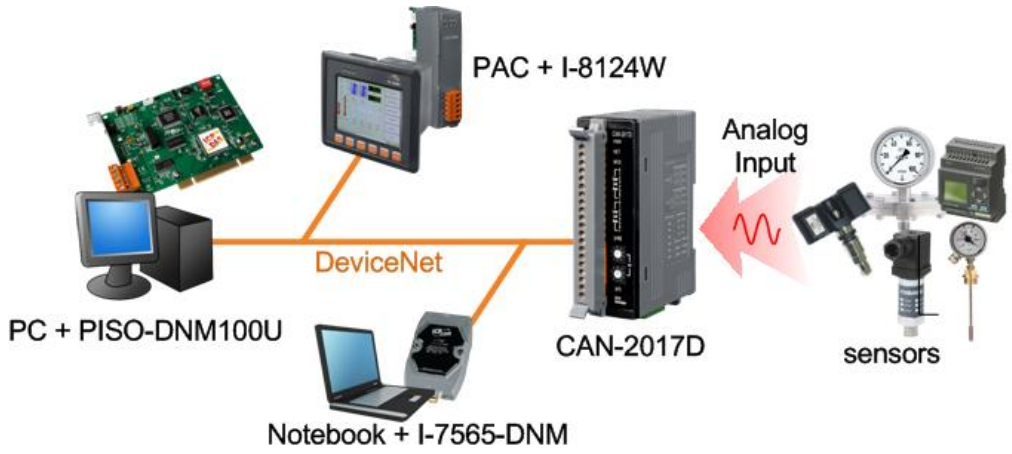

Baud rate rotary switch

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

## Hardware 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 |
| Terminator Resistor | Switch for 120 Ω terminator resistor |
| **Analog Input** | |
| Channels | 8 Differential |
| Voltage Range | +/-10 V, +/-5 V, +/-1 V, +/-500 mV, +/-150 mV |
| Current Range | -20 mA ~ +20 mA (Requires Optional External 125Ω Resistor) |
| ESD Protection | 4 kV Contact for each channel |
| **LED** | |
| Round LED | PWR LED, NET LED, MOD LED |
| Terminal resister LED | 1 LED as terminal resister indicator |
| Alarm LED | 8 LEDs as over upper limit value indicator<br>8 LEDs as over lower limit value indicator |
| **Power** | |
| Input range | Unregulated +10 ~ +30 $V_{DC}$ |
| Power Consumption | 2 W |
| **Mechanism** | |
| Installation | DIN-Rail |
| Dimensions | 32.3 mm x 99 mm x 77.5 mm (W x L x H) |
| **Environment** | |
| Operating Temp. | -25 ~ 75 ℃ |
| Storage Temp. | -30 ~ 80 ℃ |
| Humidity | 10 ~ 90% RH, non-condensing |

## Applications




## Ordering Information

| | |
|---|---|
| **CAN-2017D** | DeviceNet module of 8-channel Differential Analog Input |