



CAN-2060D

DeviceNet Slave Module of 4-channel Isolated (Wet, Dry) DI, 4-channel Relay Output

Features

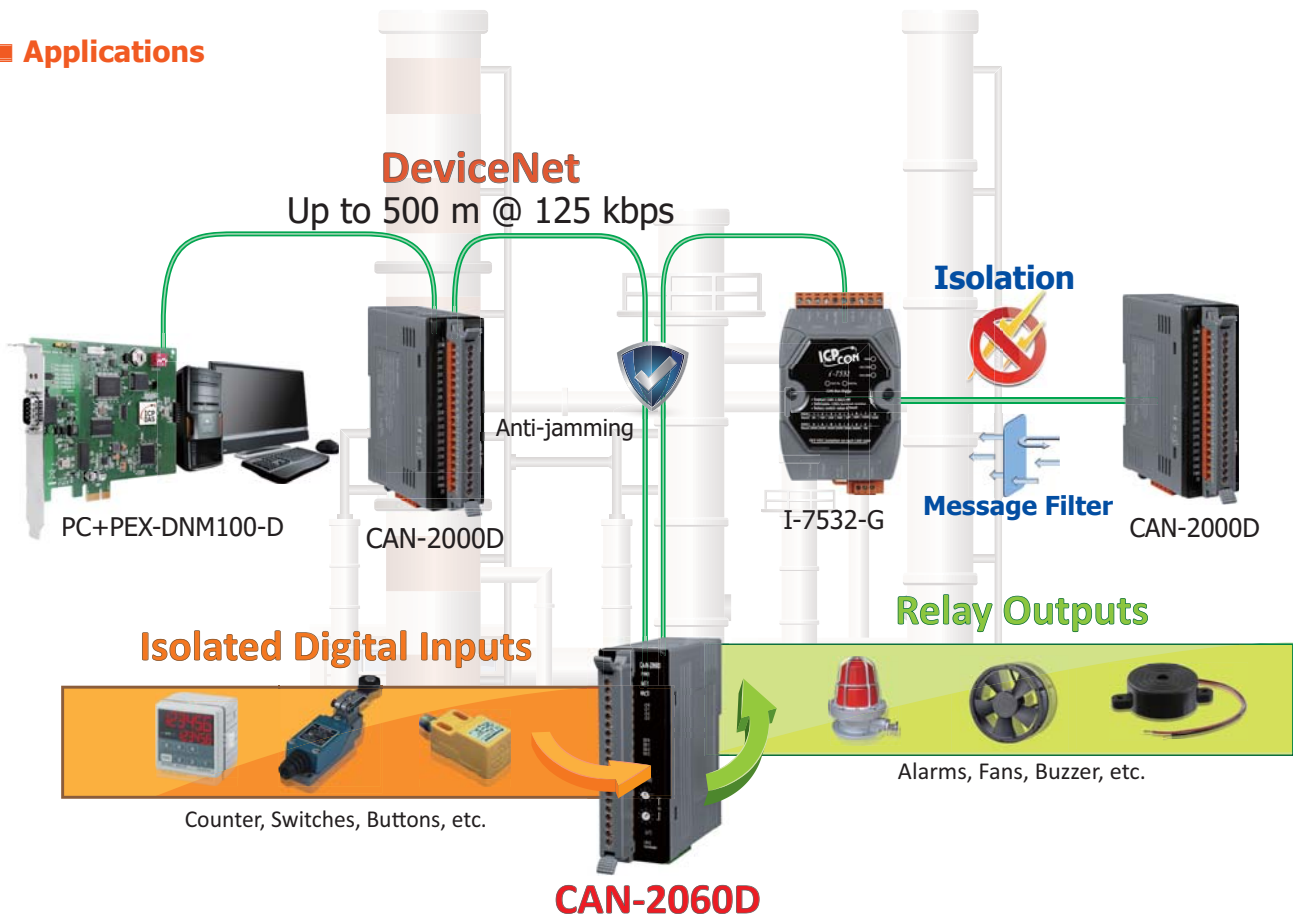
- DeviceNet general I/O slave devices
- Comply with DeviceNet specification Volume I, Release 2.0 & Volume II, Release 2.0, Errata 5
- Group 2 Only Server (non UCMM-capable)
- Connection supported:
 - 1 connection for Explicit Messaging
 - 1 connection for Polled I/O
 - 1 connection for Bit-Strobe I/O connection
- Support DeviceNet heartbeat and shutdown messages
- Set the DeviceNet device station number and baud rate through the rotary switch.
- Provide EDS file for DeviceNet master interface
- Provide LED indicators for power status, DeviceNet status, terminal resistor status, and digital input/output channel status



Introduction

DeviceNet is one kind of the network protocols based on the CAN bus and mainly used for the embedded network of the machine control, such as industrial machine control, aircraft engines monitoring, factory automation, medical equipments control, remote data acquisition, environmental monitoring, and packaging machines control, etc. The CAN-2060D follows DeviceNet specification Volume I/II, Release 2.0. User can access the digital I/O status and set the configuration via DeviceNet EDS file. This module has 4 isolated digital input channels supporting both sink and source modes simultaneously, and 4 relay output channels. It can be applied to various applications, you can quickly build a DeviceNet network to approach your requirements.

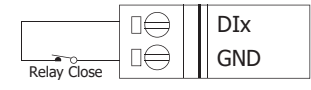
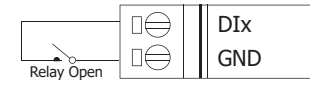
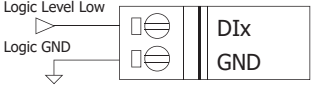
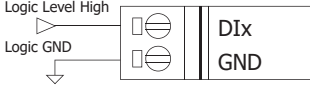
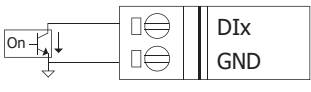
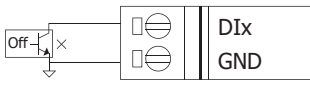
Applications

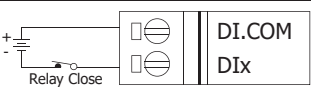
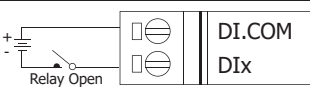
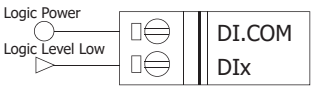
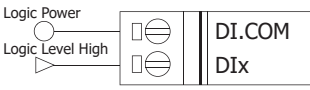
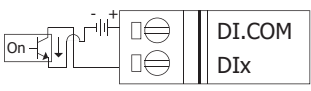
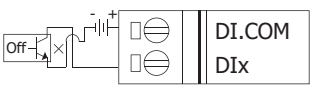
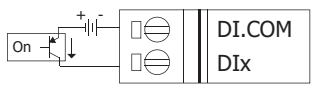
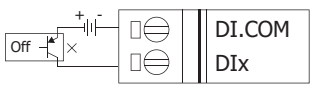



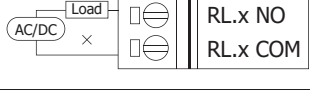
Pin Assignments

I/O Pin & Wire Connection

Terminal No.	Pin Assignment
01	DI.COM
02	DI0
03	DI1
04	DI2
05	DI3
06	GND
07	
08	DO0
09	COM0
10	NO1
11	COM1
12	NO2
13	COM2
14	NO3
15	COM3
16	
17	
18	
19	
20	

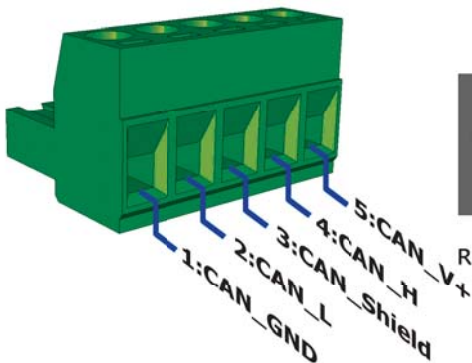
Input Type	ON State LED ON	OFF State LED OFF
Dry Contact	ON State LED ON	OFF State LED OFF
Relay Contact	Relay ON 	Relay Off 
TTL/CMOS Logic	Voltage < 1V 	Voltage > 3.5V 
Open Collector	Open Collector On 	Open Collector Off 

Input Type	ON State LED ON	OFF State LED OFF
Dry Contact	ON State LED ON	OFF State LED OFF
Relay Contact	Relay ON 	Relay Off 
TTL/CMOS Logic	Voltage > 3.5V 	Voltage < 1V 
NPN Output	Open Collector On 	Open Collector Off 
PNP Output	Open Collector On 	Open Collector Off 

Output Type	ON State LED ON	OFF State LED OFF
Relay	Relay ON 	Relay Off 

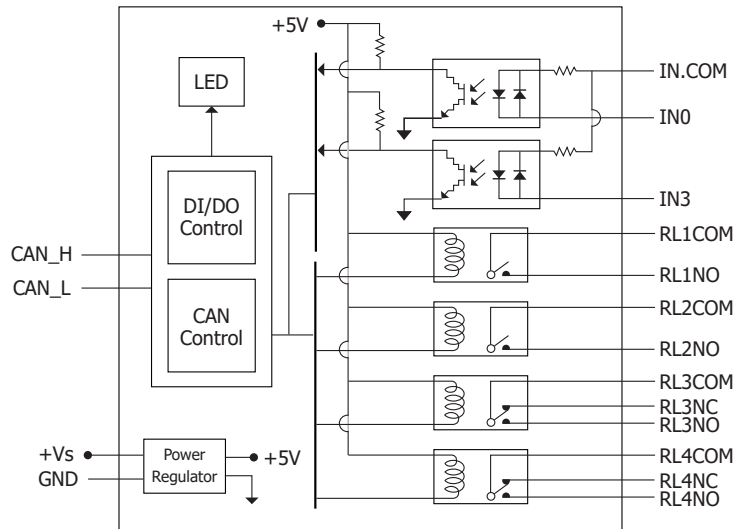
CAN Pin & Baud Rate Rotary

5-pin screw terminal block



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

Internal I/O Structure

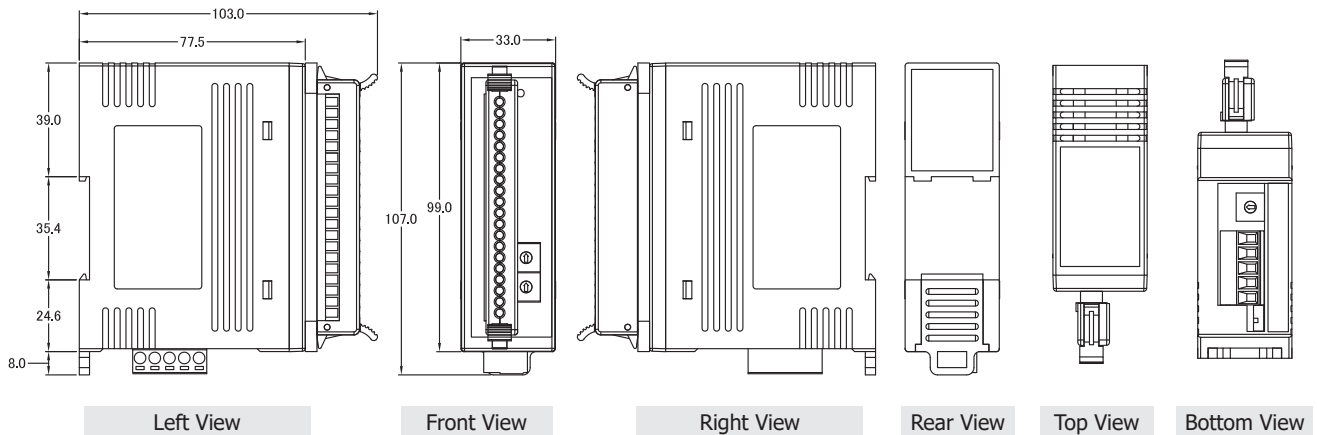


Specifications

LED Indicators	
Status	1 x Power 2 x DeviceNet status
Digital Input	
Channels	4
Type	Wet Contact
Sink/Source (NPN/PNP)	Sink/Source
ON Voltage Level	+3.5 ~ +30 VDC
OFF Voltage Level	+1 VDC Max
Input Impedance	3kΩ, 0.3W
Relay Output	
Channels	4
Type	Form A (SPST-NO)
Operate Time	10ms max
Release Time	5ms max

DeviceNet	
Ports	1
Connection Supported	1 connection for Explicit Messaging 1 connection for Polled I/O 1 connection for Bit-Strobe I/O
Baud Rate	125 kbps, 250 kbps, 500 kbps
Terminal Resistor	Switch for 120 Ω terminal resistor
Specification	Volume I, Release 2.0 & Volume II, Release 2.0, Errata5
Node ID	0 ~ 63
Shutdown Message	Yes
Heartbeat Message	Yes
Subscribe	Group 2 Only Server
Power	
Consumption	1.7 W
Mechanical	
Dimensions (mm)	33 x 99 x 78 (W x L x H)
Installation	DIN-Rail
Environment	
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-30 ~ +80 °C
Humidity	10 ~ 90% RH, Non-condensing

Dimensions (Units: mm)



Ordering Information

CAN-2060D CR	DeviceNet Slave Module of 4-channel Isolated (Wet, Dry) DI, 4-channel Relay Output (RoHS)
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