

DeviceNet (CME-DN01) User Manual



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1.1 Receiving and Inspection

All Delta CME-DN01 have gone through rigorous quality control tests at factory prior to ship. After receiving CME-DN01, please check that the package includes:

- Ipcs CME-DN01,
- 1pcs communication cable (RJ-45, 8 pins),
- 1 instruction sheet.

1.2 Using this Manual

- Chapter 2 describes the use CME-DN01 in field.
- Chapter 3 briefly describes setting for installation.
- Chapter 4 describes configure the CME-DN01 based upon your requirements.
- Chapter 5 describes correct actions by LED.
- Appendix A provides the information that you may need to install the CME-DN01.
- Appendix B defines the DeviceNet object classes, class services and attributes.
- Appendix C describes how to use the "AutoEDS software" to generate EDS file by the connected drive.
- Firmware version for each series should conform with the following table:

Delta AC Drive	Firmware Version
VFD-E	Version 2.02 and above

1.3 Features

- The communications adapter device acts as a gateway from DeviceNet network to MODBUS network.
- Install on the AC drives directly.
- Defined as a DeviceNet Communications Device Profile 12 (0xC).
- There are 8 I/O addresses used to control the length by setting. The I/O mapping address can be set by the DeviceNet manage software system, such as RSNetWorx® from Rockwell. By this way, user can monitor the VFD series by the ladder diagram, such as RSLogix 500® from Rockwell, and send commands to VFD series.
- No external power needed. Power is supplied via RS-485 that is connected to VFD series. Eight pins RJ-45 cable, which is packed together with CME-DN01, is used to connect RS-485 of VFD series to RS-485 of CME-DN01 for power. CME-DN01 starts operation once the connection finished.
- DeviceNet Group2 slave functionality includes:
 - Explicit connection
 - Polled connection
- Object Model

2.1 Outline



2.2 Description

Bi colors LEDs (LED Network, LED Module and LED SP)	provide users to analyze DeviceNet network and get the status of the AC motor drive to solve the problem from the Chapter 5 Troubleshooting.
MAC address	used to set the physical address in the DeviceNet network.
Data rate	used to set the baud rate on the DeviceNet network.
RS-485 serial port	used to connect to the AC motor drive via RJ-45. SG+ and SG- are for the signal. Besides, the power of CME-DN01 is provided from the AC motor drive (15V) via this port.
DeviceNet connection	 5-pin phoenix connector is used to connect CME-DN01 to DeviceNet network. 5-pin phoenix connector: Red: V+, power supply. White: CAN_H, signal high. Bare: SHIELD, shield. Black: V-, common.

2.3 Network Example



2.4 The Distance of Trunk Line

The distance between any two points must not exceed the maximum cable distance allowed for the data. Refer to following table for details.

Data rate	Maximum distance (flat cable)	Maximum distance (thick cable)	Maximum distance (mid cable)	Maximum distance (thin cable)
125k bit/s	420m (1378 ft)	500m (1640 ft)	300m (984 ft)	100m (328 ft)
250k bit/s	200m (656 ft)	250m (820 ft)	250m (820 ft)	100m (328 ft)
500k bit/s	75m (246 ft)	100m (328 ft)	100m (328 ft)	100m (328 ft)

NOTE: Please refer to the "Appendix B -- DeviceNet Cable Profiles" in the DeviceNet Specifications for the wiring cable to ensure the max. distance.

2.5 The Length of Drop Cable

A drop line connects a node on the DeviceNet cable system to the DeviceNet trunk. Refer to following table for details.

Data Rates	125 Kbps	250 Kbps	500 Kbps
Maximum Drop Length	6 m (20 ft)	6 m (20 ft)	6 m (20 ft)
Cumulative Drop Budget	156 m (512 ft)	78 m (256 ft)	39 m (128 ft)

NOTE: Please refer to the "Appendix B -- DeviceNet Cable Profiles" in the DeviceNet Specifications for the wiring cable to ensure the max. distance.

2.6 Installation



STEP 3

STEP 4



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3.1 Setting Steps for Installation

- Step 1. Setting communication format of the AC drives to 19200 RTU 8, N, 2.
- Step 2. Setting frequency source of the AC drives to operate from RS-485.
- Step 3. Setting operation source of the AC drives to operate from communication interface.

Note: Refer to the following table for setting step 1, step 2 and step 3.

VFD-E	Description
P02-00=3	Master frequency determined by RS-485
P02-01=3	Operating instructions determined by the RS-485 communication
P09-01=2	19200 bits/second
P09-04=3	Modbus RTU mode, 8 bits, no parity and 2 stop bits

Step 4. Using RJ11 (6 pins) to connect RS-485 of the CME-DN01 and the AC drive. Step 5. Adding the EDS files (generated from the auto EDS generator software, can be downloaded from Delta website http://www.delta.com.tw/industrialautomation/) into DeviceNet management software.

Step 6. Using the operation method of DeviceNet management software for CME-DN01 connection.

Note: Please make sure that VFD-E has set as above table. Or CME-DN01 cannot work correctly. SP LED should be Green after finishing Step 4 and indicates the CME-DN01 is communicating with the AC motor drive. If the SP LED is not ON, please refer to chapter 4 Troubleshooting to solve the problem.

3.2 EDS File Description

Function: it is used in the DeviceNet management software tool, such as RSNetWorx[®] of RA. It is used to distinguish which VFD type it connects and modify the VFD settings.

To use proper EDS file, please check the AC drives type and firmware version from the parameter first. Then you can select the correct EDS file by the following name rule of EDS file.

Ex: DN_E_2p03_0.eds | | |____EDS version | |_____VFD software version (V2.03) |_____VFD-E series

3.3 MAC ID and Baud Rate

Setting Baud rate



Switch value 0		1	2	Other	
Baud Rate 125K		250K	500K	Not Used	

Set MAC Address: Using decimal data set the MAC address on DeviceNet network.

Address	Description
0-63	All addresses should be set within this range. Before setting address, please make sure that the address you want to use is available (NOT used by others). The address cannot be used repeatedly. Or it cannot connect to the network and the NET LED will be RED.
64-99	This range is illegal addresses and the NET LED will be RED.

Example: ADD1: 3, ADD2: 6, Data Rate: 500k.

Then the value of MAC ID is 36, not 0x36; the Baud rate is 500K.

3.4 Input/Output Data

Default settings of I/O poll message are 4 bytes input and 4 bytes output data. The information in the following tables is an example:

l	Input data from AC drivers to DeviceNet (read only)		
Word Function Description			
	0	Status of AC Driver (2101H)	
	1	Frequency Command (2102H)	

- Output data from DeviceNet to AC drivers

Word Function Description	
0 Operate Command (2000H)	
1	Frequency command (2001H)

Refer to each AC drive user manual for setting above table.

If CME-DN01 has not been set before using, you can use it by connecting with DeviceNet network without any settings. In this case, CME-DN01 provides a default I/O setting as table above. CME-DN01 will use this default setting to exchange data with network in I/O message when power up. Please refer to Chapter 4 Configuration if a desire I/O setting is needed.

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Chapter 4 Configuration

CME-DN01 also provides other functions for user to set by requirement. CME-DN01 supports an Object named DataConf (0x95), this object can be accessed via DeviceNet configuration or management tools. DataConf Object is defined as follows:

Class 0x95 Data Configure Class Attributes						
	Attribute ID		ss Rule	Name	Data Type	
	1	(Get	Revision	UINT	
■ Attributo	Instance	1				
ID	Rule	Name	Data Type	De	escription	
2	Get/Set	Config_flag	USINT	0: CME-DN01 wil message 1: CME-DN01 use	I use this object default setting.	for I/C
3	Get/Set	NetCtrl	USINT	0: controlled local. 1: controlled by net	work.	
4	Get/Set	NetRef	USINT	0: set speed local, 1: set speed by network.		
5	Get/Set	LossDNTreat	USINT	0: Ignore and contin 1: Stop according to	nue o "Stop method".	
17	Get/Set	Dlen_out	USINT	Length of output da	ta	
18	Get/Set	Dlen_in	USINT	Length of input data	a	
19	Get/Set	Data_out[1]	UINT	1 st word output data	a	
20	Get/Set	Data_out[2]	UINT	2 nd word output data		
21	Get/Set	Data_out[3]	UINT	3 rd word output data		
22	Get/Set	Data_out[4]	UINT	4 th word output data		
23	Get/Set	Data_out[5]	UINT	5 th word output data	a	
24	Get/Set	Data_out[6]	UINT	6 th word output data	a	
25	Get/Set	Data_out[7]	UINT	7 th word output data	a	
26	Get/Set	Data_out[8]	UINT	8 th word output data	a	

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Attribute ID	Access Rule	Name	Data Type	Description
49	Get/Set	Data_in[1]	UINT	1 st word input data
50	Get/Set	Data_in[2]	UINT	2 nd word input data
51	Get/Set	Data_in[3]	UINT	3 rd word input data
52	Get/Set	Data_in[4]	UINT	4 th word input data
53	Get/Set	Data_in[5]	UINT	5 th word input data
54	Get/Set	Data_in[6]	UINT	6 th word input data
55	Get/Set	Data_in[7]	UINT	7 th word input data
56	Get/Set	Data_in[8]	UINT	8 th word input data

Common services

	Implemented for		Sonvico Namo
Service Code	Class	Class	Service Marile
0X05	Yes	Yes	Reset
0x0E	Yes	Yes	Get_Attribute_Single
0x10	No	Yes	Set_Attribute_Single

Explanation: User can set following variables for DataConf object by the requirement.

 dlen_in/dlen_out: for user to select input/output length when communicating with DeviceNet network. Maximum length of dlen_in/dlen_out is 16 bytes.



After changing these two settings, the settings of Rx size and Tx size of I/O Parameters in scanner module is needed to be same as these two settings. Or there will be fault and cannot connect to DeviceNet network when running CME-DN01.

- 2. data_out1~data_out8: used to save 16 bytes data of each Modbus address of AC drive. For example, if address data in data_out1 is 0x2000, it will send the first word of data to AC drive address 0x2000. Similarly, if address data in data_in1 is 0x2101, CME-DN01 will send the first word of data in AC drive address 0x2101 to DeviceNet network. The length of data_in/data_out is determined by dlen_in/dlen_out. After finishing setting, the command from CME-DN01 to the AC motor drive won't be valid immediately.
 - Re-power on
 - The modified setting will be valid via service "RESET ".

the column length is UINT, i.e. word (2 bytes). An error will occur when inputting byte for data size.

- NetCtrl/NetRef: used to determine if CME-DN01 is controlled via DeviceNet network. If it is 0, DeviceNet network can't control CME-DN01 and user can modify control command/frequency command directly. If it is 1, CME-DN01 is controlled by DeviceNet network via PLC ladder diagram commands.
- LossDNTreat: used to determine to stop the AC motor drive or not when losing connection with DeviceNet network.
 - 0: AC drive will still in current running status when losing connection with DeviceNet.

1: AC drive will stop running when losing connection with DeviceNet by the AC drive's setting.

 config_flag: factory setting is 0. It needs to be set to 1 when reset all settings to the factory settings.

		-
Attribute ID	Name	Value(Hex)
1	sfversion	
2	config_flag	0000H
3	NetCtrl	0001H
4	NetRef	0001H
5	LossDNTreat	0001H
17	dlen_in	0002H
18	dlen_out	0002H

6. The following table is the factory setting of DataConf Object

Chapter 4 Configuration | CME-DN01

Attribute ID	Name	Value(Hex)
19	data_in[0]	2000H
20	data_in[1]	2001H
21	data_in[2]	2002H
22	data_in[3]	0000H
23	data_in[4]	2000H
24	data_in[5]	2001H
25	data_in[6]	2002H
26	data_in[7]	0000H
49	data_out[0]	2101H
50	data_out[1]	2103H
51	data_out[2]	2104H
52	data_out[3]	010AH
53	data_out[4]	2101H
54	data_out[5]	2103H
55	data_out[6]	2104H
56	data_out[7]	010AH

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This chapter provides LEDs information, and corrective actions for solving problem.



5.1 Network LED

State	Indication		Corrective Actions
LED is off	No power or duplicate ID not completed.	1. 2. 3.	Verify that the power supply of CME-DN01 is connected and the power is applied to the CME-DN01. Make sure one or more nodes are communicating on the network. Make sure at least one other node on the network is in operation at the same time and data rate is the same as the CME-DN01
Flashing Green LED	CME-DN01 is connected to the network but something wrong with the network configuration setting.		
Green LED	Online and connected. One or more connections established		
Flashing Red LED	Online but failed to establish connection.		

Chapter 5 Troubleshooting | CME-DN01

State	Indication		Corrective Actions
Red LED	Red LED Network failure. Failed duplicate ID or Bus-off.	1. 2.	Ensure that all nodes have unique address. If all node addresses are unique, check network for correct media installation.
		3.	Ensure that the address is NOT in the illegal
			range.

5.2 Module LED

State	Indication	Corrective Actions
LED is off	No power/not online	Ensure that the connected AC drive is powered and connected to the CME-DN01.
Flashing Green LED	Waiting for I/O data. No I/O, or PLC is in program mode	CME-DN01 has passed all operation tests and waits to transmit I/O data between the CME-DN01 and the AC drives.
Green LED	I/O is in running mode	
Flashing Red LED	Configuration problem. Bad CRC of CME-DN01 parameters or flash program.	Reset internal I/O data of the CME-DN01. Please refer to Data Configuration address assignment for detail.
Red LED	Hardware Failure. Failed internal or external RAM test.	Return to the factory.

5.3 SP LED

State	Indication	Corrective Actions
LED is off	No power	No power is applied to the device.
Flashing Green LED	CME-DN01 is reading the factory settings of the AC drives. CME-DN01 gets parameters information of the AC drives and initializes some Identity attributes.	
Green LED	CME-DN01 and the AC drives are communicating.	
Flashing Red LED	CRC check error/AC drives return error information.	To check if the setting of communication format of the AC drives is correct. Please refer to the installation settings for detail.

State	Indication	Corrective Actions	
Red LED	Connection failure/no connection	 To check if the connection between the AC drive and RS-485 of CME-DN01 is correct. Re-wire the AC drive connection and ensure that the wire specification is correct. 	

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Appendix A provides the information that you may need to install the CME-DN01.

A.1 Dimension



A.2 Ambient Conditions

Operation:	Temperature: -10°C to 40 °C (14 °F to 104 °F) without dust cover.
Storage:	Temperature: -20 °C to 60 °C (-4 °F to 140 °F) Relative Humidity: Less than 90%, no condensation allowed.
Transportation:	Temperature: -20 °C to 60 °C (-4 °F to 140 °F) Relative Humidity: Less than 90%, no condensation allowed.
Pollution Degree:	2: good for a factory type environment.

Appendix A Installation Information | CME-DN01

A.3 Product Certifications

This product meets the following certifications.

Certifications	Description
UL	UL508C
CE	EN50178 and EN61800-3

Appendix B DeviceNet Object

Appendix B defines the DeviceNet object classes, class services and attributes. The following information about the DeviceNet objects can be accessed by using Explicit Messages. Refer to the DeviceNet specification for using Explicit Messages. You can get the following table information from the CME-DN01 through any DeviceNet management tool.

Ex. How to get the Vendor ID through Explicit Message?

Request data

	Value	Description
Service	0x0E	Get Attribute Single
Class	0x01	Identity Object
Instance	0x01	Instance 1
Attribute	0x01	Vendor ID

Response data

	Value	Description	
Service	0x8E	Successful	
data	0x031F	ID = 0x031F(Delta)	

Object Classes

CME-DN01 supports following object classes and user can read or write them via the DeviceNet management tool.

Class	Object
0x01	Identity Object
0x02	Message Router Object
0x03	DeviceNet Object
0x05	Connection Object
0x0F	Parameter Access Object
0x95	DataConf Object

Appendix B DeviceNet Object | CME-DN01

Class 0x01 Identity Object

This object provides identification and general information about the device.

Class Attributes

Attribute ID	Access Rule	Name	Data Type
1	Get	Revision	UINT
2	Get	MaxInstance	UINT
3	Get	NumberofInstances	UINT
6	Get	MaxIdClass	UINT
7	Get	MaxIdInstance	UINT

Instance 1: Drive Instance

Attribute ID	Access Rule	Name	Data Type
1	Get	Vendorld	UINT
2	Get	DeviceType	UINT
3	Get	ProductCode	UINT
4	Get	Revision MaxRev MinRev	USINT USINT
5	Get	Status	WORD
6	Get	Sn	UDINT
7	Get	ProdName StrLen ASCIIStr	USINT STRING

Sarvica Codo	Impleme	ented for	Service Name	
Service Code	Class	Instance	Service Name	
0x05	No	Yes	Reset	
0x0E	Yes	Yes	Get_Attribute_Single	
0x11	Yes	No	Find_Next_Object_Instance	

Class 0x02 Message Router

The Message Router Object provides a messaging connection point to serve any object class or instance in the Client.

Class attributes

Attribute ID	Access Rule	Name	Data Type
1	Get	Revision	UINT
6	Get	MaxIdClass	UINT
7	Get	MaxIdInstance	UINT

Instance 1

Attribute ID	Access Rule	Name	Data Type
2	Get	NumAvailable	UINT
3	Get	NumActive	UINT

Service Code	Impleme	ented for	Service Name
	Class	Instance	
0x0E	Yes	Yes	Get_Attribute_Single

Appendix B DeviceNet Object | CME-DN01 Class 0x03 DeviceNet Object

The DeviceNet Object provides the configuration and status of a DeviceNet port. Each CME-DN01 supports one DeviceNet object for a physical connection to the DeviceNet communication link.

Class Attributes	3		
Attribute ID	Access Rule	Name	Data Type
1	Get	Revision	UINT

Attribute ID	Access Rule	Name	Data Type
1	Get	MACID	USINT
2	Get	BaudRate	USINT
3	Get/Set	BusofInterrupt	BOOL
4	Get/Set	BusofCounter	USINT
5	Get	AllocationInfo AllocationChioce MasterNodeAddress	BYTE USINT
6	Get	MACIDSwitchChanged	BOOL
7	Get	BaudRateSwitchChanged	BOOL
8	Get	MACIDSwitchValue	USINT
9	Get	BaudRateSwitchValue	USINT

Instance 1: Drive Instance

Service In	Implem	ented for	Sanvico Namo	
Code	Class	Instance	Service Name	
0x0E	Yes	Yes	Get_Attribute_Single	
0x10	No	Yes	Set_Attribute_Single	
0x4B	No	Yes	Allocate_Master/Slave_Connection_Set	
0x4C	No	Yes	Release_Master/Slave_Connection_Set	

Class 0x05 Connection Object

The Connection Class allocates and manages the internal resources associated with both I/O and Explicit Messaging Connections. The specific instance generated by the Connection Class is called a Connection Instance or a Connection Object.

Class attributes

Attribute ID	Access Rule	Name	Data Type
1	Get	Revision	UINT

Instance 1: Master/Slave Explicit Message Connection

Attribute ID	Access Rule	Name	Data Type
1	Get	State	USINT
2	Get	InstanceType	USINT
3	Get	TransportClassTrigger	USINT
4	Get	ProducedConnectionId	UINT
5	Get	ConsumedConnectionId	UINT
6	Get	InitialCommCharacteristics	BYTE
7	Get	ProducedConnectionSize	UINT
8	Get	ConsumedConnectionSize	UINT
9	Get/Set	ExpectedPackedRate	UINT
12	Get/Set	WatchdogTimeoutAction	USINT
13	Get	Produced Connection Path Length	USINT
14	Get	Produced Connection Path	EPATH
15	Get	Consumed Connection Path Length	USINT
16	Get	Consumed Connection Path	EPATH

Appendix B DeviceNet Object | CME-DN01

Instance 2: Polled I/O Connection

Attribute ID	Access Rule	Name	Data Type
1	Get	State	USINT
2	Get	InstanceType	USINT
3	Get	TransportClassTrigger	USINT
4	Get	ProducedConnectionId	UINT
5	Get	ConsumedConnectionId	UINT
6	Get	InitialCommCharacteristics	BYTE
7	Get	ProducedConnectionSize	UINT
8	Get	ConsumedConnectionSize	UINT
9	Get/Set	ExpectedPackedRate	UINT
12	Get/Set	WatchdogTimeoutAction	USINT
13	Get	Produced Connection Path Length	USINT
14	Get	Produced Connection Path	EPATH
15	Get	Consumed Connection Path Length	USINT
16	Get	Consumed Connection Path	EPATH

Service	Impleme	ented for	Service Name
Code	Class	Instance	
0x05	No	Yes	Reset
0x0E	Yes	Yes	Get_Attribute_Single
0x10	No	Yes	Set_Attribute_Single

Class 0x0F Parameter Object

Use of the Parameter Object provides a known, public interface to a device's configuration data. In addition, this object also provides all the information necessary to define and describe the device's individual configuration parameters.

Class attributes

Attribute ID	Access Rule	Name	Data Type
1	Get	Revision	UINT
2	Get	MaxInstance	UINT
8	Get	ParaClassDescriptor	WORD
9	Get	ConfAssemblyInst	UINT
10	Get	NativeLanguage	USINT

We can get the number of parameters of the drive that connected to the CME-DN01 by Instance 0 and Attribute2.

The number of instances depends on the number of parameters in the drive.

Ex:

Instance	Description
0	Class attributes
1	Drive parameter 1
2	Drive parameter 2
:	:
N	Drive parameter N

Appendix B DeviceNet Object | CME-DN01

Instance: Parameter Instance

Attribute ID	Access Rule	Name	Data Type
1	Get/Set	Parameter Value	
2	Get	Link Path Size	USINT
3	Get	Link Path	
4	Get	Descriptor	WORD
5	Get	Data Type	USINT
6	Get	Data Size	USINT

Service Code	Implem	ented for	Sorvico Namo
Service Code	Class	Instance	Service Maine
0X05	Yes	No	Reset
0x0E	Yes	Yes	Get_Attribute_Single
0x10	No	Yes	Set_Attribute_Single

Class 0x95 DataConf Object

•	Class attri	ibutes			
	Attribute	ID Access	s Rule	Name	Data Type
_	1	Ge	et	Revision	UINT
•	Instance 1	1			
Attrib ID	ute Acces Rule	s Name	Data Type		Description
2	Get/Se	et Config_flag	USINT	0: CME-DNO I/O messa 1: CME-DNO	1 will use this object ge 11 use default setting.
3	Get/Se	et NetCtrl	USINT	0: controlled 1: controlled	local. by network.
4	Get/Se	et NetRef	USINT	0: set speed 1: set speed	local, by network.
5	Get/Se	et LossDNTreat	USINT	0: Ignore and 1: Stop acco	d continue rding to "Stop method
17	Get/Se	et Dlen_out	USINT	Leng	th of output data
18	Get/Se	et Dlen_in	USINT	Len	gth of input data
19	Get/Se	et Data_out[1]	UINT	1 st v	vord output data
20	Get/Se	et Data_out[2]	UINT	2 nd v	word output data
21	Get/Se	et Data_out[3]	UINT	3 rd v	vord output data
22	Get/Se	et Data_out[4]	UINT	4 th v	vord output data
23	Get/Se	et Data_out[5]	UINT	5 th v	vord output data
24	Get/Se	et Data_out[6]	UINT	6 th v	vord output data
25	Get/Se	et Data_out[7]	UINT	7 th v	vord output data
26	Get/Se	et Data_out[8]	UINT	8 th v	vord output data

Appendix B DeviceNet Object | CME-DN01

Attribute ID	Access Rule	Name	Data Type	Description
49	Get/Set	Data_in[1]	UINT	1 st word input data
50	Get/Set	Data_in[2]	UINT	2 nd word input data
51	Get/Set	Data_in[3]	UINT	3 rd word input data
52	Get/Set	Data_in[4]	UINT	4 th word input data
53	Get/Set	Data_in[5]	UINT	5 th word input data
54	Get/Set	Data_in[6]	UINT	6 th word input data
55	Get/Set	Data_in[7]	UINT	7 th word input data
56	Get/Set	Data_in[8]	UINT	8 th word input data

Service	Implemer	nted for	Sorvico Namo
Code	Class	Instance	Service Name
0X05	Yes	Yes	Reset
0x0E	Yes	Yes	Get_Attribute_Single
0x10	No	Yes	Set_Attribute_Single

Appendix C Auto EDS Generator Software

For correct display the drive that connected to the CME-DN01 in the DeviceNet management tool, we can generate the EDS file for the drive by using the software "Auto EDS Generator". The operation steps are shown in the following.

Step1.

Please set drive's parameters as following table.

VFD-E	Description
P09.01=2	19200 bits/second
P09.04=3	RTU mode, 8 bits, no parity and 2 stop bits

Hardware Connection



Step2.

Make sure that the hardware connection is correct and then execute the AutoEDS program. Following screen will be displayed. After successful communication test, the AutoEDS will be executed correctly.

Appendix C Auto EDS Generator Software | CME-DN01

2 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
M M M M M M M M M M M M M M
The second secon
The second secon
All contractions of the second
45 00 22
45 00 22
45 \$\circ 222
455 +> 232
A85 ↔ 232
PC Day Put Selection Done Putation
Find and Annual An
Contraction Success
C Fail Block
Uran Error
Caution: Make sure that "Success LED" is Green
then the EDS maker just can run correct.

Step3.

After pressing the [Start] button at the upper-left corner, program will start generating the EDS file as shown in the following.



Step4.

After generating EDS file, you will get a pop-up window for saving this EDS file.

f ou broken	B ter B Contese Re Deser B ter Beechel trees Destra Serve 322			
A Control of Control o				
	(Fite) - "He-list Bit Fair"; Construct = 10-2-2004;			
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Appendix C Auto EDS Generator Software | CME-DN01

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