ADFweb

Industrial Electronic Devices

User Manual
Revision 2.100
English

CANopen / DeviceNet Slave - Converter
(Order Code: HD67134-A1)

For Website information:
www.adfweb.com?Product=HD67134

For Price information:
www.adfweb.com?Price=HD67134-A1

Benefits and Main Features:

⊕ Wide supply input range

⊕ Galvanic isolation

⊕ Industrial temperature range: -40°C / 85°C (-40°F / 185°F)

User Manual

For others Gateways / Bridges:
CANopen to Modbus

See also the following links:

www.adfweb.com?Product=HD67001	(Modbus RTU Master)
www.adfweb.com?Product=HD67502	(Modbus RTU Slave)
www.adfweb.com?Product=HD67004	(Modbus TCP Master)
www.adfweb.com?Product=HD67505	(Modbus TCP Slave)

CANopen to CANopen

See also the following link:

www.adfweb.com?Product=HD67121

Do you have an your customer protocol?

See the following link:

www.adfweb.com?Product=HD67003

Do you need to choose a device? do you want help?

Ask it to the following link:

www.adfweb.com?Cmd=helpme

INDEX:

UPDATED DOCUMENTATION:

Dear customer, we thank you for your attention and we remind you that you need to check that the following document is:

- Updated
- Related to the product you own.

To obtain the most recently updated document, note the "document code" that appears at the top right-hand corner of each page of this document.

With this "Document Code" go to web page www.adfweb.com/download/ and search for the corresponding code on the page. Click on the proper "Document Code" and download the update.

REVISION LIST:

Revision	Date	Author	Chapter	Description
2.001	17/10/2008	Fl	All	Change Figure 2
2.002	21/07/2009	Ml Dp	All	Revision
2.003	13/02/2013	Nt	All	Added new chapters
2.100	29/05/2024	Ln	All	Revision

WARNING:

ADFweb.com reserves the right to change information in this manual about our product without warning.
ADFweb.com is not responsible for any error this manual may contain.

TRADEMARKS:

All trademarks mentioned in this document belong to their respective owners.

Industrial Electronic Devices

SECURITY ALERT:

GENERAL INFORMATION
To ensure safe operation, the device must be operated according to the instructions in the manual. When using the device are required for each individual application, legal and safety regulation. The same applies also when using accessories.

INTENDED USE
Machines and systems must be designed so the faulty conditions do not lead to a dangerous situation for the operator (i.e. independent limit switches, mechanical interlocks, etc.).

QUALIFIED PERSONNEL
The device can be used only by qualified personnel, strictly in accordance with the specifications.
Qualified personnel are persons who are familiar with the installation, assembly, commissioning and operation of this equipment and who have appropriate qualifications for their job.

RESIDUAL RISKS
The device is state of the art and is safe. The instrument can represent a potential hazard if they are inappropriately installed and operated by personnel untrained. These instructions refer to residual risks with the following symbol:

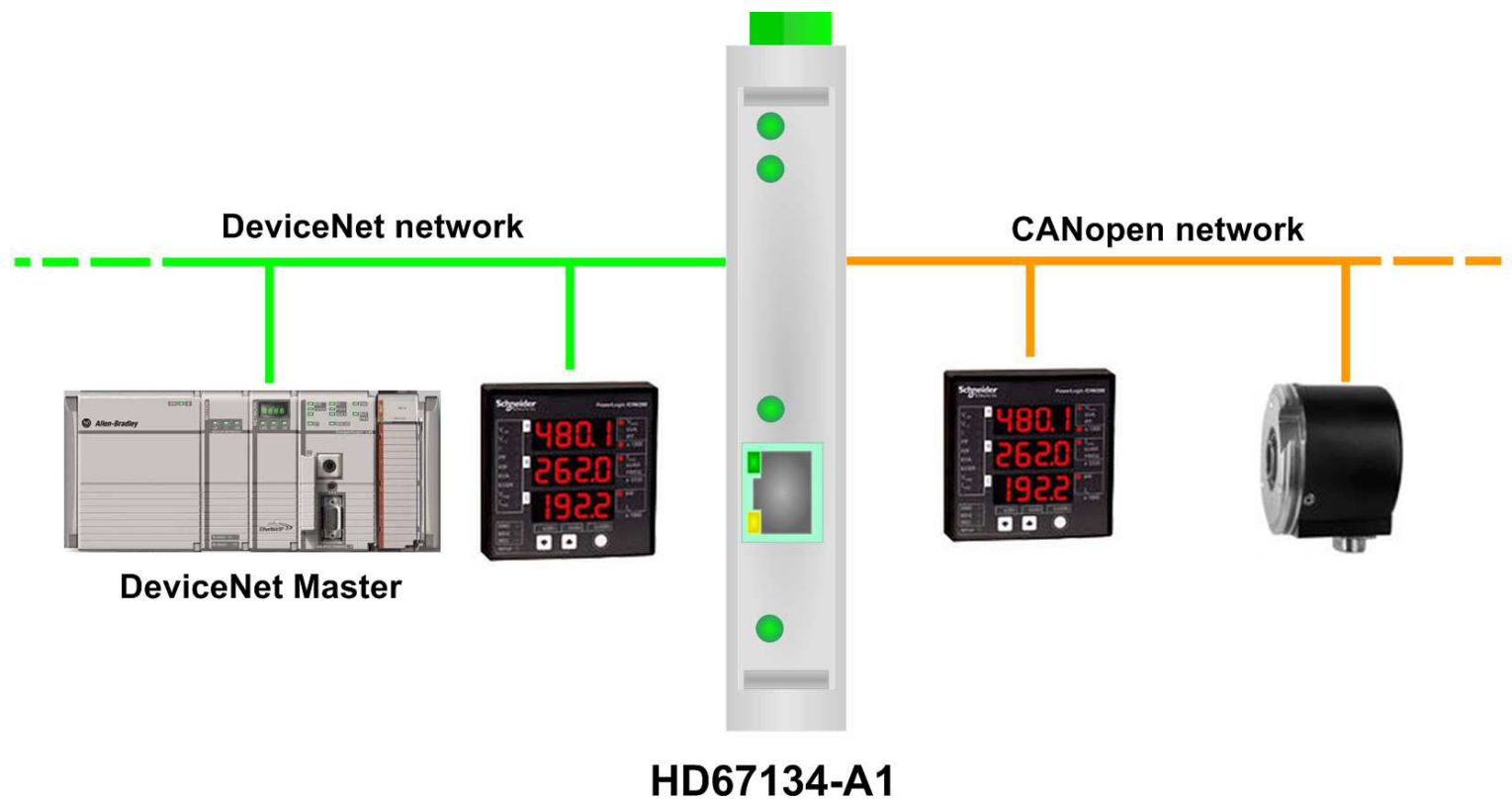⚠ This symbol indicates that non-observance of the safety instructions is danger for people to serious injury or death and / or the possibility of damage.

CE CONFORMITY
The declaration is made by us. You can send an email to support@adfweb.com or give us a call if you need it.

Industrial Electronic Devices

EXAMPLE OF CONNECTION:

DeviceNet network

CANopen network

DeviceNet Master

HD67134-A1

ADFweb

Industrial Electronic Devices

CONNECTION SCHEME:

Dip-Switch A:
-Dip1 – Must be at ON
-Dip2 – Functioning Mode

= Normal   = Boot

Led4: Green CANopen comm.

Led3: Green DeviceNet comm.

Led2: Green Ethernet Link

Connector4: Ethernet Port (RJ45 Plug)

Led1: Green Device state

□ LED4 CANopen comm.   Lo Shl Hi   Lo Shl Hi   +V 0V
□ LED3 DeviceNet comm.   **DeviceNet port**   **CANopen port**   **Power Supply**
Dip-Switch C   Dip-Switch B   8...24V AC or 12...35V DC

CANopen / DeviceNet slave- Converter
HD67134-A1
www.ADFweb.com   Q.n. - - - -

□ LED2 Ethernet Link

Ethernet

Dip-Switch A

□ LED1 Device state   C.S.: B211   MAC: 10-64-E2-07-95-EB
Date Code: 44 . 17   Serial Nr.: E5793

RoHS

Rail DIN Clamp

Dip-Switch C:
-Dip1 – DeviceNet Termination Resistor

= Open   = 120 Ohm

Connector3:
DeviceNet port (Isolated port)

Hi = High wire
Shl = Shield* (to Isolated Ground)
Lo = Low wire

Dip-Switch B:
-Dip1 – CANopen Termination Resistor

= Open   = 120 Ohm

Connector2:
CANopen port (Isolated port)

Hi = High wire
Shl = Shield* (to Isolated Ground)
Lo = Low wire

Connector1:
Power Supply port

0V = Ground
+V = Positive wire

V AC: min 8V ; max 24V
V DC: min 12V ; max 35V

Lo Shl Hi   Lo Shl Hi   +V 0V

Figure 1: Connection scheme for HD67134-A1

Industrial Electronic Devices

CHARACTERISTICS:

The HD67134-A1 is a CANopen / DeviceNet Slave Converter.

It allows for the following characteristics:

- Triple isolation between CANopen - Power Supply, CANopen - DeviceNet, Power Supply - DeviceNet.
- Mountable on 35mm Rail DIN;
- Wide power supply input range: 8…24V AC or 12…35V DC;
- Wide temperature range: -40°C / 85°C [-40°F / +185°F].

CONFIGURATION:

You need Compositor SW67134 software on your PC in order to perform the following:

- Define the parameters of CANopen line;
- Define the parameters of DeviceNet line;
- Define SDO Server information;
- Define SDO Client information;
- Define PDO information (RPDO/TPDO);
- Update the device.

Industrial Electronic Devices

POWER SUPPLY:

The devices can be powered at 8…24V AC and 12…35V DC. For more details see the two tables below.

VAC 〜		VDC ▬▬	
Vmin	**Vmax**	**Vmin**	**Vmax**
8V	**24V**	**12V**	**35V**

Consumption at 24V DC:

Device	Consumption [W/VA]
HD67134-A1	3.5

Caution: Do not reverse the polarity power

Connector1:
Power Supply port

0V = Ground
+V = Positive wire

V AC: min 8V ; max 24V
V DC: min 12V ; max 35V

0V +V

0V   +V

HD67134-A1

Industrial Electronic Devices
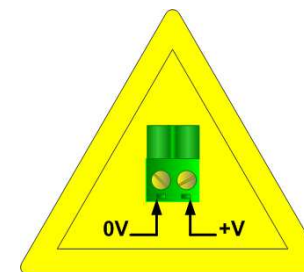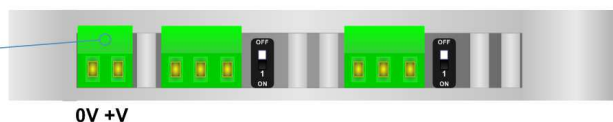
FUNCTION MODES:

The device has got two functions mode depending of the position of the 'Dip2 of Dip-Switch A':

- The first, with 'Dip2 of Dip-Switch A' at "OFF" position, is used for the normal working of the device.
- The second, with 'Dip2 of Dip-Switch A' at "ON" position, is used for upload the Project and/or Firmware.

For the operations to follow for the updating, see 'UPDATE DEVICE' section.

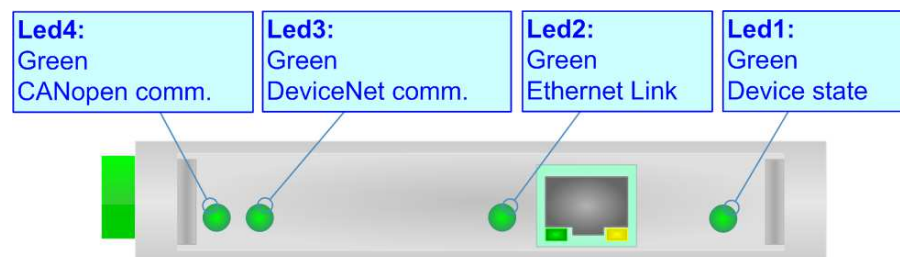According to the functioning mode, the LEDs will have specifics functions, see 'LEDS' section.
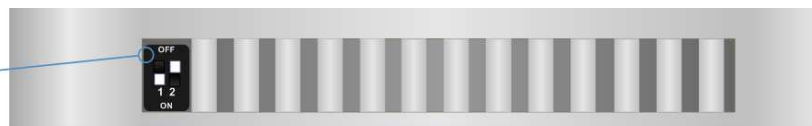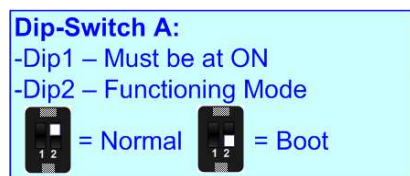
Warning:
Dip1 of 'Dip-Switch A' must be at ON position for working even if the Ethernet cable isn't inserted.

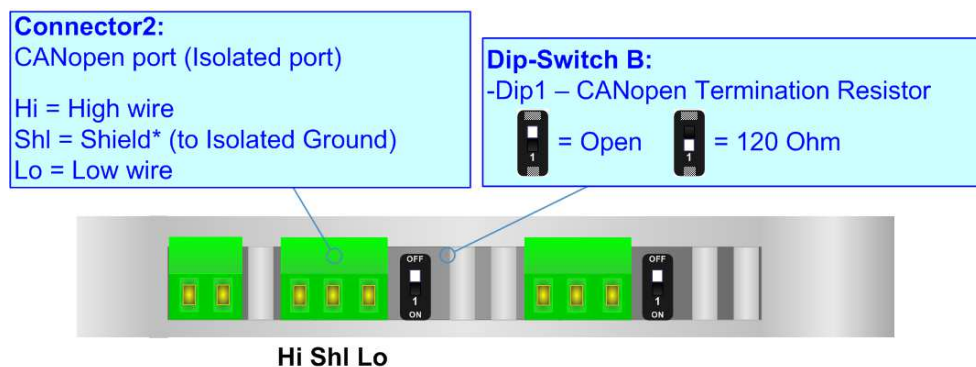*Industrial Electronic Devices*

LEDS:

The device has got four LEDs that are used to give information about the functioning status.
The various meanings of the LEDs are described in the table below.

LED	Normal Mode	Boot Mode
1: Device state (green)	Blinks slowly (~1Hz)	**Blinks quickly:** Boot state **Blinks very slowly (~0.5Hz):** update in progress
2: Ethernet Link (green)	**ON:** Ethernet cable connected **OFF:** Ethernet cable disconnected	**ON:** Ethernet cable connected **OFF:** Ethernet cable disconnected
3: DeviceNet communication (green)	Blinks when a DeviceNet frame is received	**Blinks quickly:** Boot state **Blinks very slowly (~0.5Hz):** update in progress
4: CANopen communication (green)	Blinks when a CANopen frame is received	**Blinks quickly:** Boot state **Blinks very slowly (~0.5Hz):** update in progress

Led4:
Green
CANopen comm.

Led3:
Green
DeviceNet comm.

Led2:
Green
Ethernet Link

Led1:
Green
Device state

Industrial Electronic Devices

CANOPEN:

For terminate the CANopen line with a 120Ω resistor it is necessary that the Dip1 of 'Dip-Switch B' is at ON position.

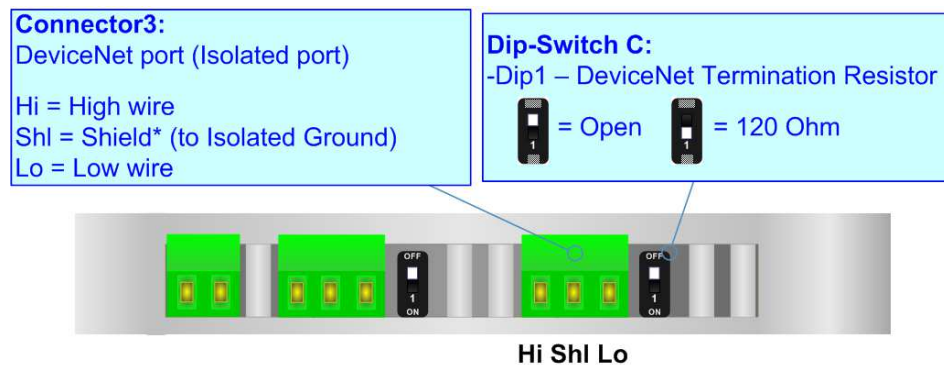**Connector2:**
CANopen port (Isolated port)

Hi = High wire
Shl = Shield* (to Isolated Ground)
Lo = Low wire

Dip-Switch B:
-Dip1 – CANopen Termination Resistor

= Open   = 120 Ohm

Hi Shl Lo

Cable characteristics:

DC parameter:		Impedance	70 Ohm/m

AC parameters:		Impedance	120 Ohm/m
		Delay	5 ns/m

Length		Baud Rate [bps]	Length MAX [m]
		10 K	5000
		20 K	2500
		50 K	1000
		100 K	650
		125 K	500
		250 K	250
		500 K	100
		800 K	50
		1000 K	25

DEVICENET:

For terminate the DeviceNet line with a 120Ω resistor it is necessary that the Dip1 of 'Dip-Switch C' is at ON position.

Connector3:
DeviceNet port (Isolated port)

Hi = High wire
Shl = Shield* (to Isolated Ground)
Lo = Low wire

Dip-Switch C:
-Dip1 – DeviceNet Termination Resistor

= Open   = 120 Ohm

Hi Shl Lo

Cable characteristics:

DC parameter:		Impedance	70 Ohm/m

AC parameters:		Impedance	120 Ohm/m
		Delay	5 ns/m

Length		Baud Rate [bps]	Length MAX [m]
		125 K	500
		250 K	250
		500 K	100

ETHERNET:

The Ethernet port is used for programming the device.
The Ethernet connection must be made using Connector4 of HD67134-A1 with at least a Category 5E cable. The maximum length of the cable should not exceed 100m. The cable has to conform to the T568 norms relative to connections in cat.5 up to 100 Mbps. To connect the device to an Hub/Switch is recommended the use of a straight cable, to connect the device to a PC/PLC/other is recommended the use of a cross cable.

Connector4:
Ethernet Port
(RJ45 Plug)

USE OF COMPOSITOR SW67134:

To configure the Converter, use the available software that runs with Windows called SW67134. It is downloadable on the site www.adfweb.com and its operation is described in this document. *(This manual is referenced to the last version of the software present on our web site)*. The software works with MSWindows (XP, Vista, Seven, 8, 10 or 11; 32/64bit).

When launching the SW67134, the window below appears (Fig. 2).

Note:
    It is necessary to have installed .Net Framework 4.
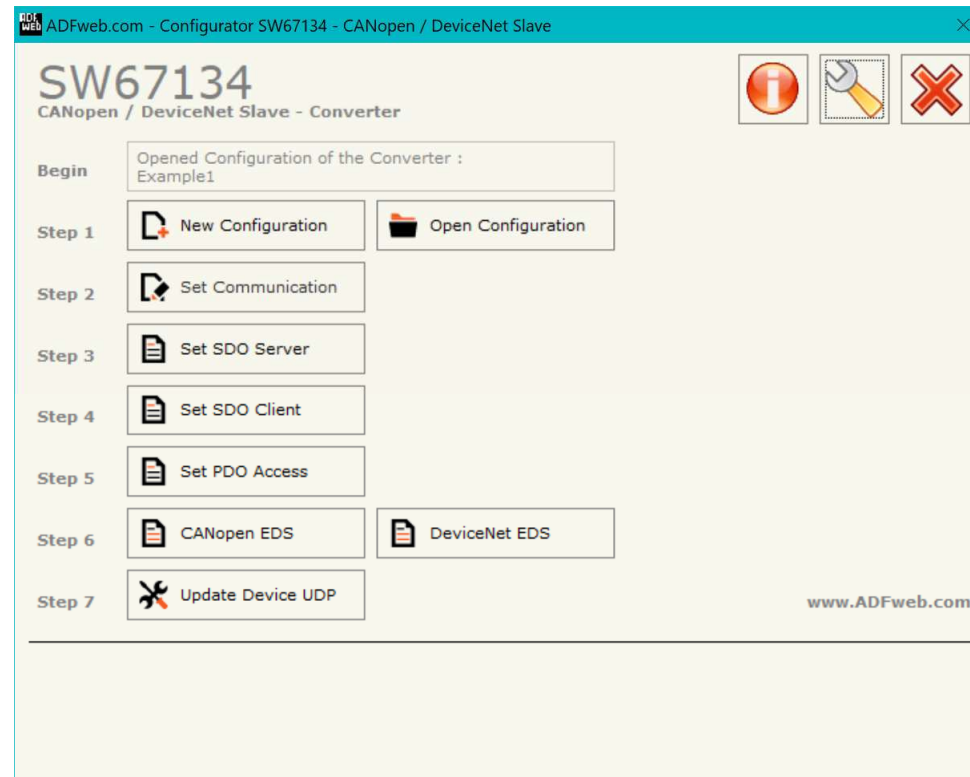

Figure 2: Main window for SW67134

Industrial Electronic Devices

NEW CONFIGURATION / OPEN CONFIGURATION:

The "**New Configuration**" button creates the folder which contains the entire device's configuration.
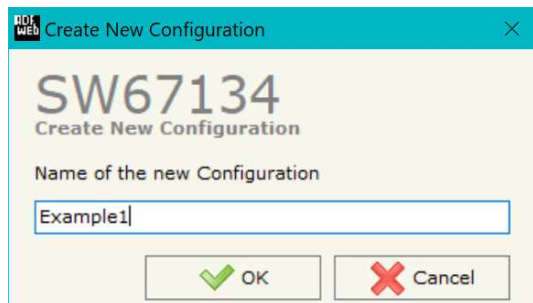
A device's configuration can also be imported or exported:

➡ To clone the configurations of a programmable "CANopen / DeviceNet Slave - Converter" in order to configure another device in the same manner, it is necessary to maintain the folder and all its contents;

➡ To clone a project in order to obtain a different version of the project, it is sufficient to duplicate the project folder with another name and open the new folder with the button "**Open Configuration**".
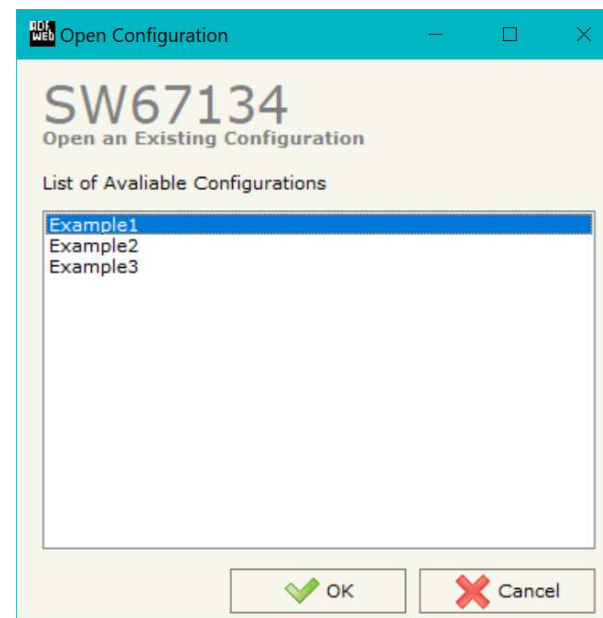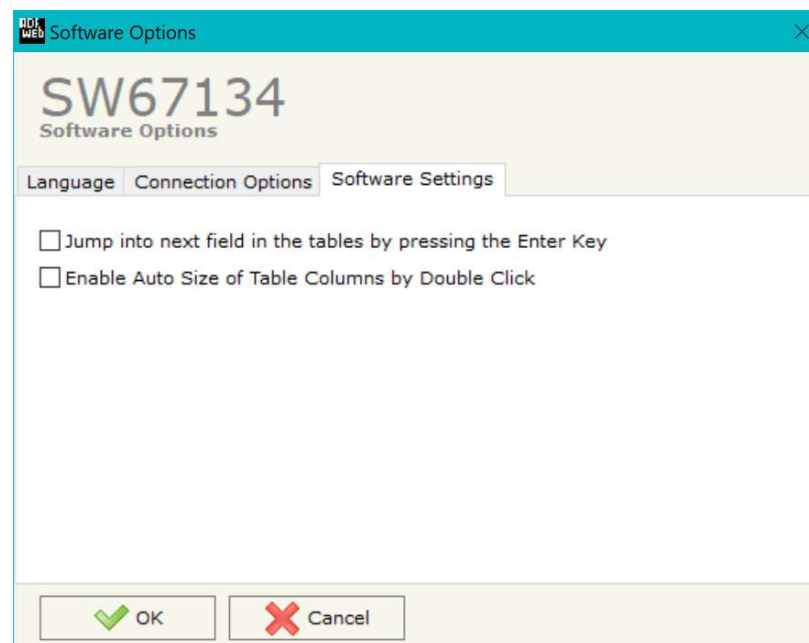
SOFTWARE OPTIONS:

By pressing the "**Settings**" (🔧) button there is the possibility to change the language of the software and check the updatings for the compositor.

In the section "Language" it is possible to change the language of the software.
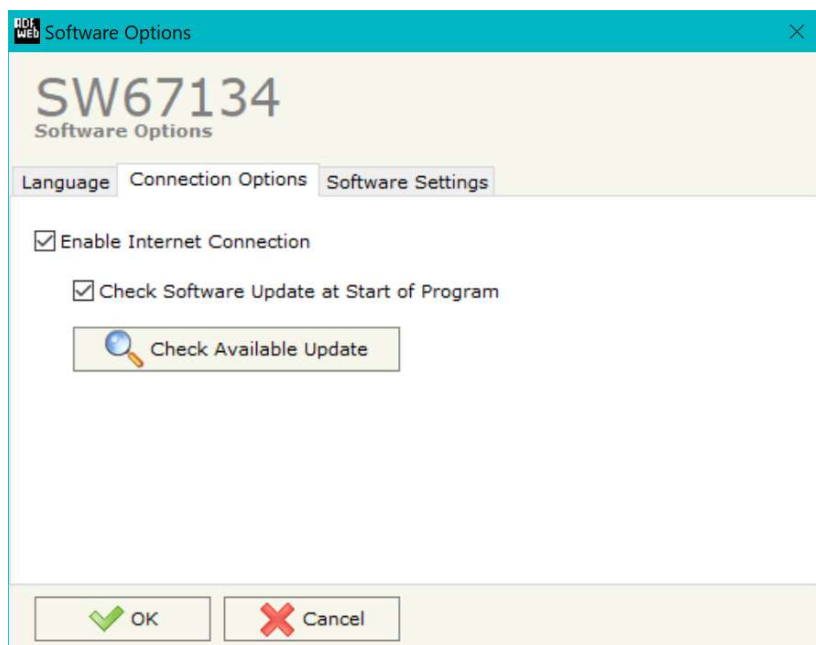
In the section "Connection Options", it is possible to check if there are some updatings of the software compositor in ADFweb.com website.
Checking the option "**Check Software Update at Start of Program**", the SW67134 checks automatically if there are updatings when it is launched.

Industrial Electronic Devices

In the section "Software Settings", it is possible to enable/disable some keyboard's commands for an easier navigation inside the tables contained in the different sections of the software.

SW67134
Software Options

Language | Connection Options | Software Settings

☐ Jump into next field in the tables by pressing the Enter Key

☐ Enable Auto Size of Table Columns by Double Click

✓ OK   ✗ Cancel

Industrial Electronic Devices

SET COMMUNICATION:

This section defines the fundamental communication parameters of two Buses CANopen and DeviceNet.

By pressing the "Set Communication" button from the main window for SW67134 (Fig. 2) the window "Set communication" appears (Fig. 3).

The means of the fields for the "CANopen" section are:

➔ In the field "**ID Device**" the ID of the CANopen side is defined;
➔ In the field "**Baudrate**" the data rate of the CANopen line is defined;
➔ In the field "**Set Operational State at Start-Up**" the state of the CANopen is defined. I.e. If it is checked the board starts in Operational State, else it starts in Pre-Operational;
➔ In the field "**Network Start at Start-Up**" the state of the CANopen network is defined. I.e. If it is checked the board sends a command to set the Operational State of all the devices present in the network, after the time defined in the "Delay" field;
➔ In the field "**Delay (s)**" the delay before sending the "Start" command for the CANopen is defined;
➔ In the field "**SDO Client TimeOut (1/10 ms)**" the maximum time that the device attends for the answer from the Slave interrogated is defined;
➔ If the field "**Enable Sync (ms)**" is checked and a time is defined, the converter can send cyclically a SYNC message to the CANopen network;

The means of the fields for "DeviceNet Slave" are:

➔ In the field "**ID Device**" the address of the DeviceNet side is defined;
➔ In the field "**Baudrate**" the baud rate for the DeviceNet side is defined;
➔ In the field "**Number Byte IN**" the number of byte from the DeviceNet to the gateway is defined (at maximum it is possible to use 455 byte);
➔ In the field "**Number Byte Out**" the number of byte from the gateway to the DeviceNet is defined (at maximum it is possible to use 455 byte).
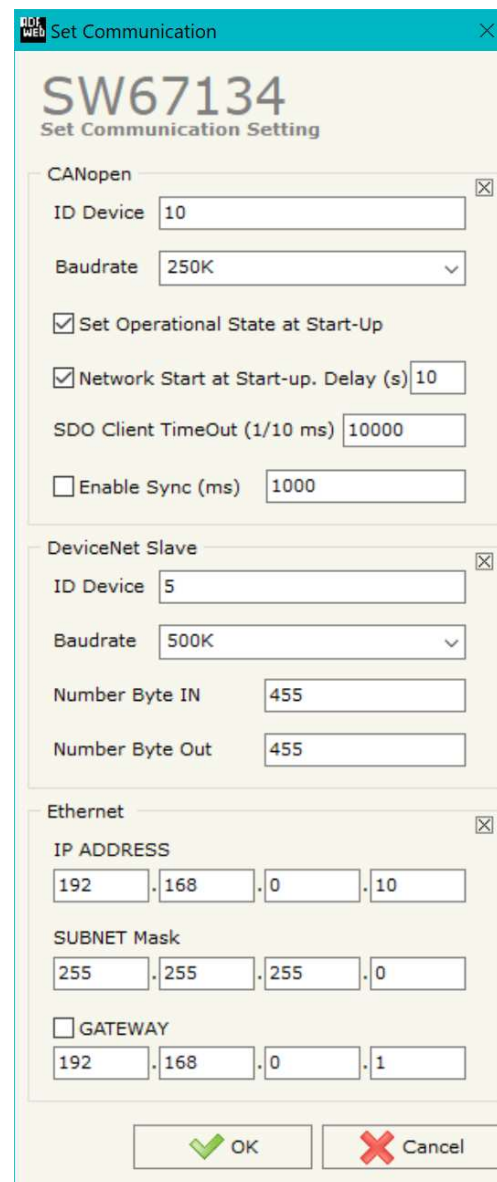

Figure 3: "Set Communication" window

Industrial Electronic Devices

The means of the fields for the "Ethernet" section are:

- In the fields "**IP ADDRESS**" the IP address of Ethernet side of the converter is defined;
- In the fields "**SUBNET Mask**" the SubNet Mask of Ethernet side of the converter is defined;
- In the fields "**GATEWAY**" the default gateway of the network is defined. This feature can be enabled or disabled pressing the Check Box field. This feature is used for going out of the net.

SET SDO SERVER:

By pressing the "**Set SDO Server**" button from the main window for SW67134 (Fig. 2) the window "Set SDO Server Access" appears (Fig. 4).

This window is made to create the SDO in read or write in the CANopen side, and to indicate which byte are associated to these SDOs.

It is divided in two parts, the "SDO in read" and the "SDO in Write".
The first part is used to read, using the SDO, the data arrived from the DeviceNet Slave. The second is used to write, using SDO, the data that will be sent to the DeviceNet Slave.

The data of the columns have the following meanings:

- In the field "**Index**" the address of the SDO is defined;
- In the field "**SubIndex**" the second address of the SDO is defined;
- If the field "**N Byte**" the dimension of the SDO is defined (it can be 1, 2 or 4);
- In the field "**Add Byte1**" insert the address of the DeviceNet arrays where read/write first byte of the SDO;
- In the field "**Add Byte2**" insert the address of the DeviceNet arrays where read/write second byte of the SDO (only if N Byte is 2 or 4);
- In the field "**Add Byte3**" insert the address of the DeviceNet arrays where read/write third byte of the SDO (only if N Byte is 4);
- In the field "**Add Byte4**" insert the address of the DeviceNet arrays where read/write fourth byte of the SDO (only if N Byte is 4);
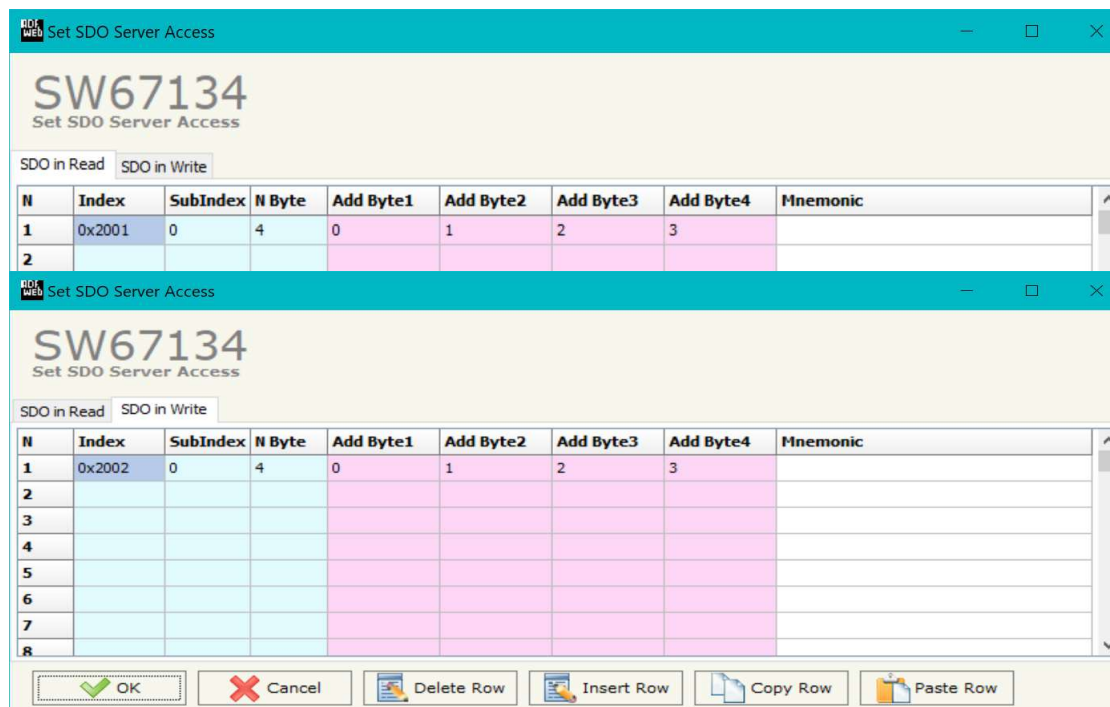- In the field "**Mnemonic**" the description for the SDO is defined.

Figure 4: "Set SDO Server Access" window

Industrial Electronic Devices
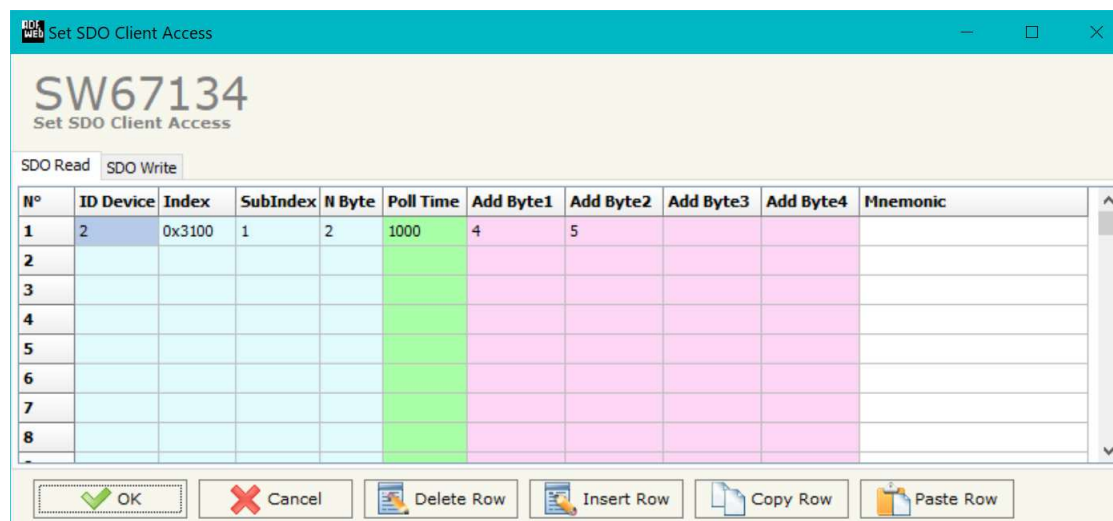
SET SDO CLIENT:

By pressing the "**Set SDO Client**" button from the main window for SW67134 (Fig. 2) the window "Set SDO Client Access" appears (Fig. 5a and 5b).

With the SDO Client the HD67134 Gateway can read and/or write the data from other devices connected in the network CANopen.

It is divided in two parts, the " SDO Read" and the "SDO Write". The first part is used to read, using the SDO, the data in another device and then put them in the DeviceNet array. The second part is used to write, using the SDO, the data present in the DeviceNet array to others CANopen devices.

The data of the columns in the "SDO Read" have the following meanings:

+ In the field "**ID Device**" insert the ID of the device to read;
+ In the field "**Index**" the address for the SDO is defined;
+ In the field "**SubIndex**" the second address for the SDO is defined;
+ In the field "**N Byte**" the dimension of the SDO is defined (it can be 1, 2, or 4);
+ In the field "**Poll Time**" insert the cyclic time to make this request;
+ In the field "**Add Byte1**" the address of the DeviceNet array where coping the first byte of the SDO read is defined;
+ In the field "**Add Byte2**" the address of the DeviceNet array where coping the second byte of the SDO read is defined (only if N Byte is 2 or 4);
+ In the field "**Add Byte3**" the address of the DeviceNet array where coping the third byte of the SDO read is defined (only if N Byte is 4);
+ In the field "**Add Byte4**" the address of the DeviceNet array where coping the fourth byte of the SDO read is defined (only if N Byte is 4);
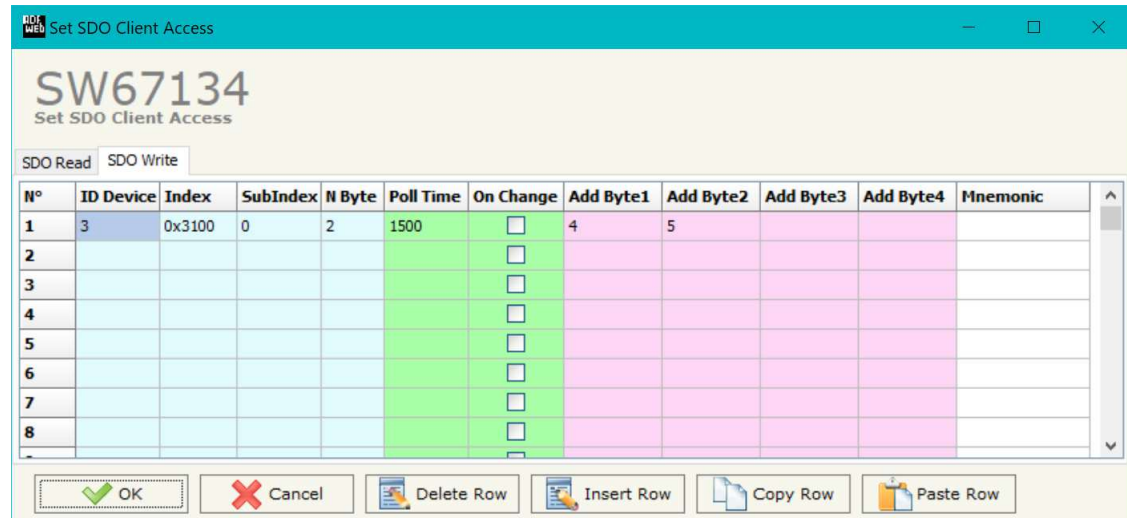+ In the field "**Mnemonic**" the description for the SDO is defined.

SW67134
Set SDO Client Access

SDO Read | SDO Write

N°	ID Device	Index	SubIndex	N Byte	Poll Time	Add Byte1	Add Byte2	Add Byte3	Add Byte4	Mnemonic
1	2	0x3100	1	2	1000	4	5			
2										
3										
4										
5										
6										
7										
8										

OK | Cancel | Delete Row | Insert Row | Copy Row | Paste Row

Figure 5a: "Set SDO Client Access – SDO Read" window

ADF web

Industrial Electronic Devices

The data of the columns in the "SDO Write" have the following meanings:

➜ In the field "**ID Device**" insert the ID of the device to write;

➜ In the field "**Index**" the address for the SDO is defined;

➜ In the field "**SubIndex**" the second address for the SDO is defined;

➜ In the field "**N Byte**" the dimension of the SDO is defined (it can be 1, 2, or 4);

➜ In the field "**Poll Time**" insert the cyclic time to make this request;

➜ If the field "**On Change**" is checked, the gateway sends the Write SDO request when the data change the value;

Figure 5b: "Set SDO Client Access – SDO Write" window

➜ In the field "**Add Byte1**" the address of the DeviceNet array where reading the first byte of the SDO write is defined;

➜ In the field "**Add Byte2**" the address of the DeviceNet array where reading the second byte of the SDO write is defined (only if N Byte is 2 or 4);

➜ In the field "**Add Byte3**" the address of the DeviceNet array where reading the third byte of the SDO write is defined (only if N Byte is 4);

➜ In the field "**Add Byte4**" the address of the DeviceNet array where reading the fourth byte of the SDO write is defined (only if N Byte is 4);

➜ In the field "**Mnemonic**" the description for the SDO is defined.

![ADFweb logo] Industrial Electronic Devices
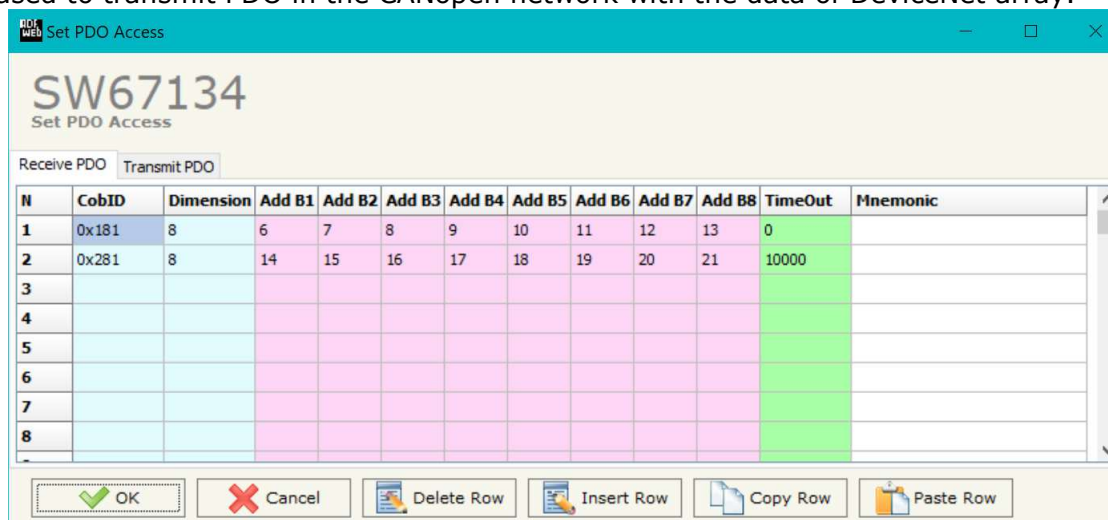
SET PDO ACCESS:

By pressing the "**Set PDO Access**" button from the main window for SW67134 (Fig. 2) the window "Set PDO Access" appears (Fig. 6a and 6b).

This window is made to create the Receive and the Transmit PDO in the CANopen side, and to indicate which bytes are associated to these PDO.
It is divided in two parts, the " Receive PDO" and the " Transmit PDO ". The first part is used to receive PDO in the CANopen network and copy the data in the DeviceNet array. The second part is used to transmit PDO in the CANopen network with the data of DeviceNet array.

The data of the columns in the "Receive PDO" have the following meanings:

- In the Field "**Cob-ID**" the address for the PDO is defined;
- In the Field "**Dimension**" the dimension of the PDO is defined (it can be between 1 and 8);
- In the Field "**Add B1**" the first byte where the data will be saved in the DeviceNet array is defined;
- In the Field "**Add B2**" the second byte where the data will be saved in the DeviceNet array is defined (only if **Dimension** > 1);
- In the Field "**Add B3**" the third byte where the data will be saved in the DeviceNet array is defined (only if **Dimension** > 2);

Figure 6a: "Set PDO Access – Receive PDO" window

- In the Field "**Add B4**" the fourth byte where the data will be saved in the DeviceNet array is defined (only if **Dimension** > 3);
- In the Field "**Add B5**" the fifth byte where the data will be saved in the DeviceNet array is defined (only if **Dimension** > 4);
- In the Field "**Add B6**" the sixth byte where the data will be saved in the DeviceNet array is defined (only if **Dimension** > 5);
- In the Field "**Add B7**" the seventh byte where the data will be saved in the DeviceNet array is defined (only if **Dimension** > 6);
- In the Field "**Add B8**" the eighth byte where the data will be saved in the DeviceNet array is defined (only if **Dimension** > 7);
- The field "**TimeOut**" is used for put at zero the data into DeviceNet if the PDO doesn't arrive with a frequency less than the time expressed in the field. If the value in the field is 0, it means that you don't want to use this feature, and so the value is never deleted;
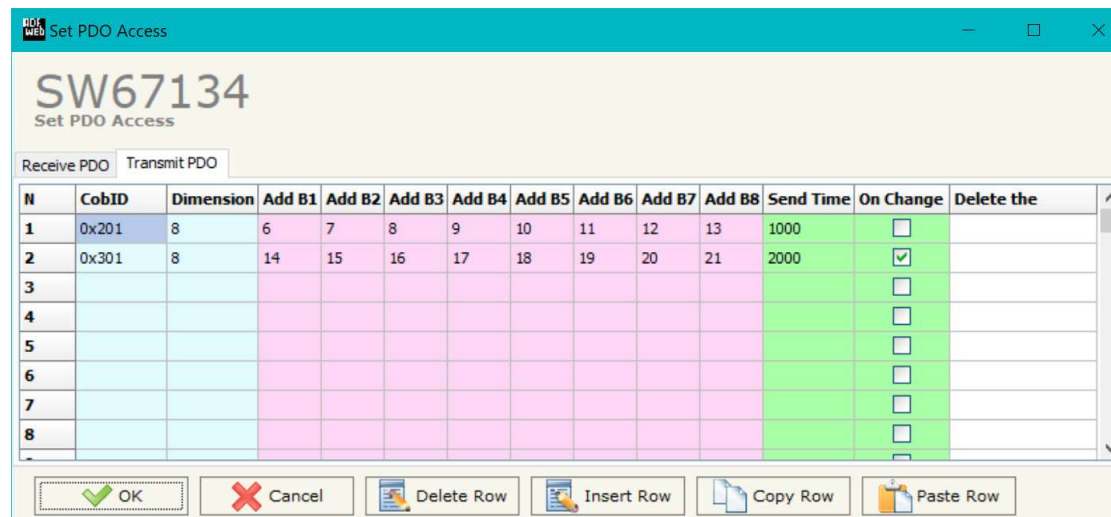- In the field "**Mnemonic**" the description for the PDO is defined.

Industrial Electronic Devices

The data of the columns in the "Transmit PDO" have the following meanings:

Figure 6b: "Set PDO Access – Transmit PDO" window

- In the Field "**Cob-ID**" the address for the PDO is defined;
- In the Field "**Dimension**" the dimension of the PDO is defined (it can be between 1 and 8);
- In the Field "**Add B1**" the first byte where the data will be loaded in the DeviceNet array is defined;
- In the Field "**Add B2**" the second byte where the data will be loaded in the DeviceNet array is defined (only if **Dimension** > 1);
- In the Field "**Add B3**" the third byte where the data will be loaded in the DeviceNet array is defined (only if **Dimension** > 2);
- In the Field "**Add B4**" the fourth byte where the data will be loaded in the DeviceNet array is defined (only if **Dimension** > 3);
- In the Field "**Add B5**" the fifth byte where the data will be loaded in the DeviceNet array is defined (only if **Dimension** > 4);
- In the Field "**Add B6**" the sixth byte where the data will be loaded in the DeviceNet array is defined (only if **Dimension** > 5);
- In the Field "**Add B7**" the seventh byte where the data will be loaded in the DeviceNet array is defined (only if **Dimension** > 6);
- In the Field "**Add B8**" the eighth byte where the data will be loaded in the DeviceNet array is defined (only if **Dimension** > 7);
- In the Field "**Send Time** " insert the interval used to send the PDO. The time is in milliseconds;
- If the field "**On Change**" is checked, the gateway send the Transmit PDO when the data change the value;
- In the field "**Mnemonic**" the description for the PDO is defined.

Industrial Electronic Devices

EDS FILE:

By Pressing the "**EDS FILE**" button from the main window for SW67134 (Fig. 2) it is possible to generate the EDS file to be imported into the master CANopen.

ADF web
Industrial Electronic Devices

UPDATE DEVICE:

By pressing the "**Update Device**" button, it is possible to load the created Configuration into the device; and also the Firmware, if necessary. This by using the Ethernet port.

If you don't know the actual IP address of the device you have to use this procedure:

- Turn OFF the Device;
- Put Dip1 of 'Dip-Switch A' in ON position;
- Turn ON the device
- Connect the Ethernet cable;
- Insert the IP "**192.168.2.205**";
- Select which operations you want to do;
- Press the "**Execute update firmware**" button to start the upload;
- When all the operations are "OK" turn OFF the Device;
- Put Dip1 of 'Dip-Switch A' in OFF position;
- Turn ON the device.

If you know the actual IP address of the device, you have to use this procedure:

- Turn ON the Device with the Ethernet cable inserted;
- Insert the actual IP of the Converter;
- Select which operations you want to do;
- Press the "**Execute update firmware**" button to start the upload;
- When all the operations are "OK" the device automatically goes at Normal Mode.

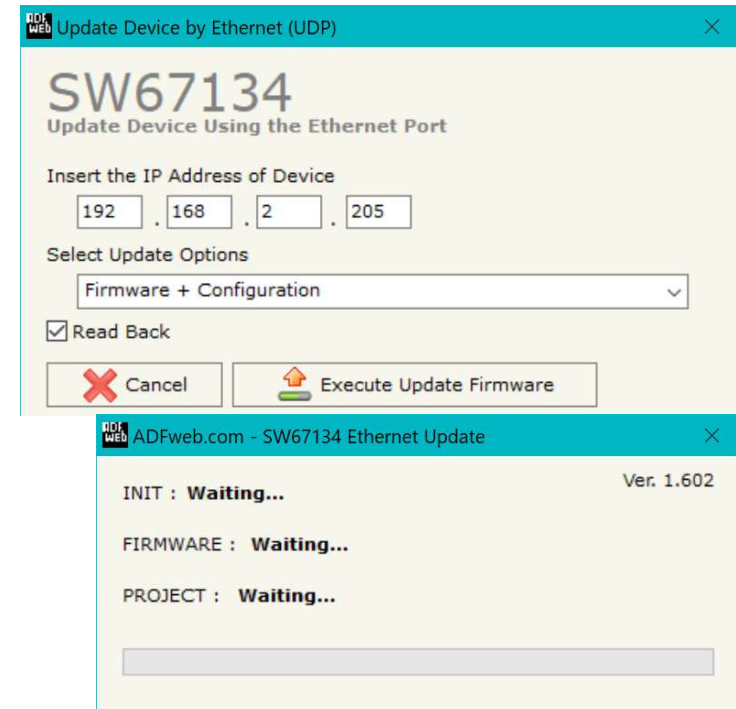At this point the configuration/firmware on the device is correctly updated.

Figure 7: "Update device" windows

![ADFweb logo] **ADF web**

Industrial Electronic Devices

Note:
When you receive the device, for the first time, you also have to update the Firmware in the HD67134 device.

Warning:
If Fig. 8 appears when you try to do the Update try these points before seeking assistance:

- Try to repeat the operations for the updating;
- Try with another PC;
- Try to restart the PC;
- Check the LAN settings;
- If you are using the program inside a Virtual Machine, try to use in the main Operating System;
- If you are using Windows Seven, Vista, 8, 10 or 11 make sure that you have the administrator privileges;
- In case you have to program more than one device, using the "UDP Update", you have to cancel the ARP table every time you connect a new device on Ethernet. For do this you have to launch the "Command Prompt" and write the command "arp -d". Pay attention that with Windows Vista, Seven, 8, 10 or 11 you have to launch the "Command Prompt" with Administrator Rights;
- Pay attention at Firewall lock.

Warning:
In the case of HD67134 you have to use the software "SW67134": www.adfweb.com\download\filefold\SW67134.zip.
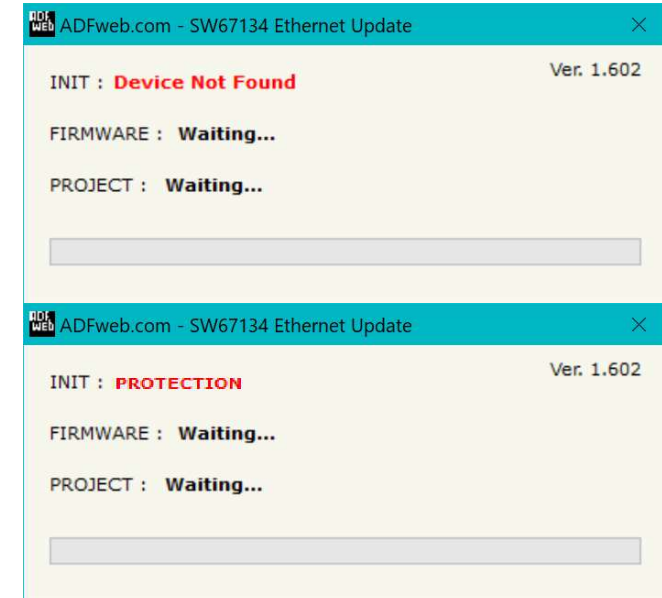
Figure 8: "Error" window

![ADFweb logo] Industrial Electronic Devices
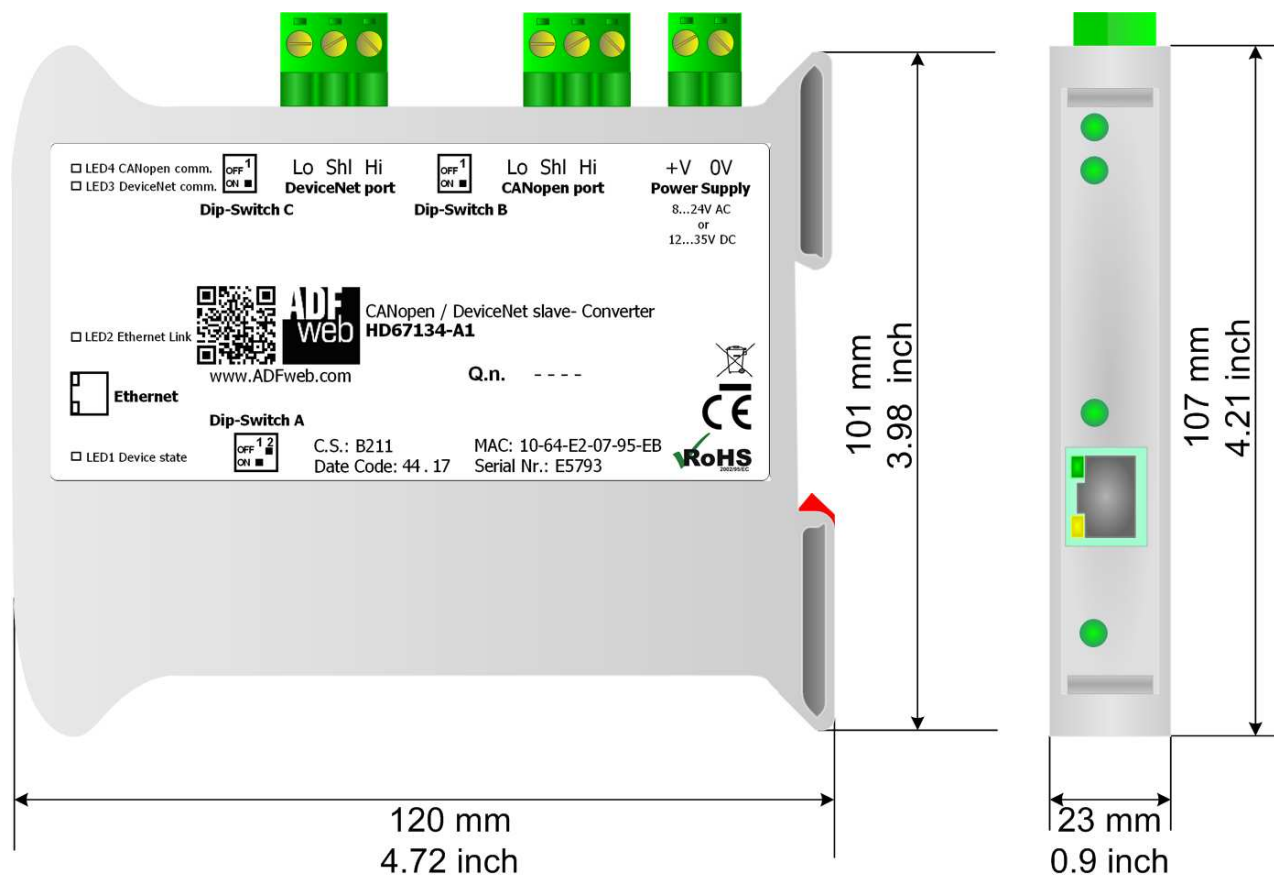
MECHANICAL DIMENSIONS:

Figure 9: Mechanical dimensions scheme for HD67134-A1

Industrial Electronic Devices

ORDERING INFORMATIONS:

The ordering part number is formed by a valid combination of the following:

HD67134 – A 1

Connectors Type
1: Removable 5mm Screw Terminal

Enclosure Type
A: 1M, 35mm DIN Rail mounting

Device Family
HD67134: CANopen / DeviceNet Slave - Converter
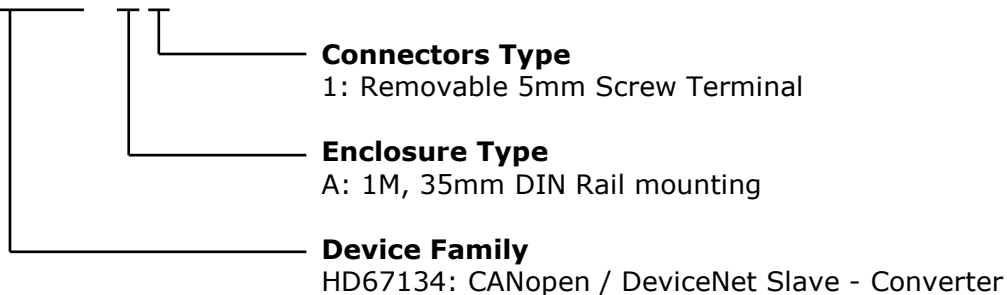
Order Code: **HD67134-A1**   -   CANopen / DeviceNet Slave - Converter

ACCESSORIES:

Order Code: **AC34011**   -   35mm Rail DIN - Power Supply 220/240V AC 50/60Hz – 12 V DC

Order Code: **AC34012**   -   35mm Rail DIN - Power Supply 220/240V AC 50/60Hz – 24 V DC

Industrial Electronic Devices

DISCLAIMER

All technical content within this document can be modified without notice. The content of the document content is a recurring audit.
For losses due to fire, earthquake, third party access or other accidents, or intentional or accidental abuse, misuse, or use under abnormal conditions repairs are charged to the user. ADFweb.com S.r.l. will not be liable for accidental loss of use or inability to use this product, such as loss of business income. ADFweb.com S.r.l. shall not be liable for consequences of improper use.

OTHER REGULATIONS AND STANDARDS

WEEE INFORMATION

Disposal of old electrical and electronic equipment (as in the European Union and other European countries with separate collection systems).

This symbol on the product or on its packaging indicates that this product may not be treated as household rubbish. Instead, it should be taken to an applicable collection point for the recycling of electrical and electronic equipment. If the product is disposed correctly, you will help prevent potential negative environmental factors and human health, which could otherwise be caused by inappropriate disposal. The recycling of materials will help to conserve natural resources. For more information about recycling this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

RESTRICTION OF HAZARDOUS SUBSTANCES DIRECTIVE

The device respects the 2002/95/EC Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (commonly referred to as Restriction of Hazardous Substances Directive or RoHS).

CE MARKING

The product conforms with the essential requirements of the applicable EC directives.

WARRANTIES AND TECHNICAL SUPPORT:

For fast and easy technical support for your ADFweb.com SRL products, consult our internet support at www.adfweb.com.
Otherwise contact us at the address support@adfweb.com

RETURN POLICY:

If while using your product you have any problem and you wish to exchange or repair it, please do the following:

- Obtain a Product Return Number (PRN) from our internet support at www.adfweb.com. Together with the request, you need to provide detailed information about the problem.
- Send the product to the address provided with the PRN, having prepaid the shipping costs (shipment costs billed to us will not be accepted).

If the product is within the warranty of twelve months, it will be repaired or exchanged and returned within three weeks. If the product is no longer under warranty, you will receive a repair estimate.

ADFweb.com S.r.l.
Via Strada Nuova, 17
IT-31010 Mareno di Piave
TREVISO (Italy)
Phone +39.0438.30.91.31
Fax +39.0438.49.20.99
www.adfweb.com