![ADFweb logo] **Industrial Electronic Devices**

User Manual

Revision 1.101
English

BACnet Slave / Modbus TCP Slave - Converter

(Order Code: HD67674-IP-A1, HD67674-MSTP-A1, HD67674-MSTP-B2)

For Website information:
  www.adfweb.com?Product=HD67674

For Price information:
  www.adfweb.com?Price=HD67674-IP-A1
  www.adfweb.com?Price=HD67674-MSTP-A1
  www.adfweb.com?Price=HD67674-MSTP-B2

Benefits and Main Features:

✦ Triple electrical isolation

✦ Temperature range: -40°C/85°C (-40°F/185°F)

User Manual

For others BACnet slave products see also the following link:

Converter BACnet to
www.adfweb.com?Product=HD67056   (M-Bus Master)
www.adfweb.com?Product=HD67170   (SNMP Manager)
www.adfweb.com?Product=HD67670   (DMX)
www.adfweb.com?Product=HD67671   (Modbus Master)
www.adfweb.com?Product=HD67672   (Modbus Slave)
www.adfweb.com?Product=HD67673   (Modbus TCP Master)
www.adfweb.com?Product=HD67674   (Modbus TCP Slave)
www.adfweb.com?Product=HD67675   (PROFIBUS Master)
www.adfweb.com?Product=HD67676   (PROFIBUS Slave)
www.adfweb.com?Product=HD67677   (CAN)
www.adfweb.com?Product=HD67678   (CANopen)
www.adfweb.com?Product=HD67679   (PROFINET)
www.adfweb.com?Product=HD67680   (DeviceNet Master)
www.adfweb.com?Product=HD67681   (DeviceNet Slave)
www.adfweb.com?Product=HD67682   (EtherNet/IP)
www.adfweb.com?Product=HD67683   (NMEA 2000)
www.adfweb.com?Product=HD67684   (Ethernet)
www.adfweb.com?Product=HD67693   (SNMP Agent)
www.adfweb.com?Product=HD67802   (KNX)

Do you have an your customer protocol?
www.adfweb.com?Product=HD67003

Do you need to choose a device? do you want help?
www.adfweb.com?Cmd=helpme

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Industrial Electronic Devices

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 updates.

REVISION LIST:

Revision	Date	Author	Chapter	Description
1.001	27/05/2014	Fl	All	Revision
1.100	17/12/2015	Ff	All	Added MS/TP version
1.101	01/07/2025	Mdb	All	New design

WARNING:

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TRADEMARKS:

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SECURITY ALERT:

GENERAL INFORMATION
To ensure safe operation, the device must be operated according to the instructions in the manual. When using the device, legal and safety regulation are required for each individual application. 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 instruments can represent a potential hazard if they are inappropriately installed and operated by untrained personnel. These instructions refer to residual risks with the following symbol:
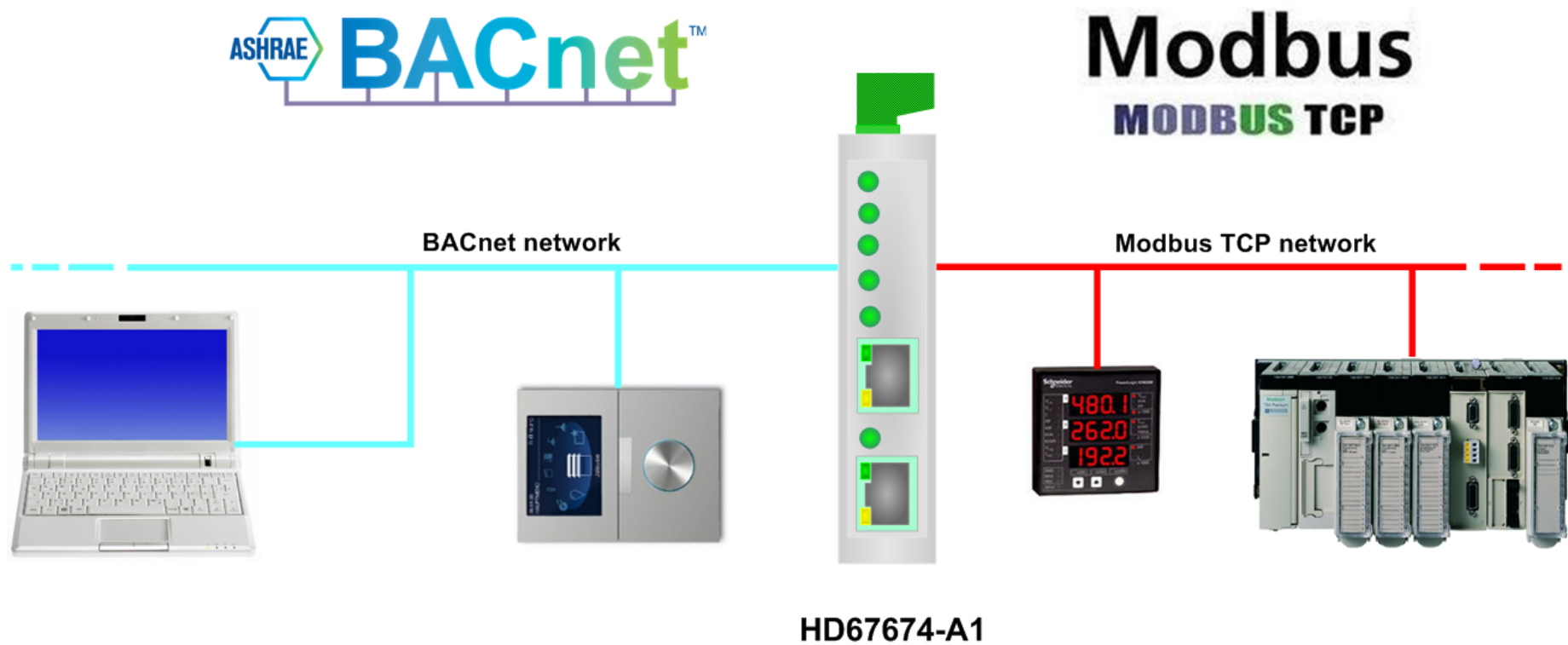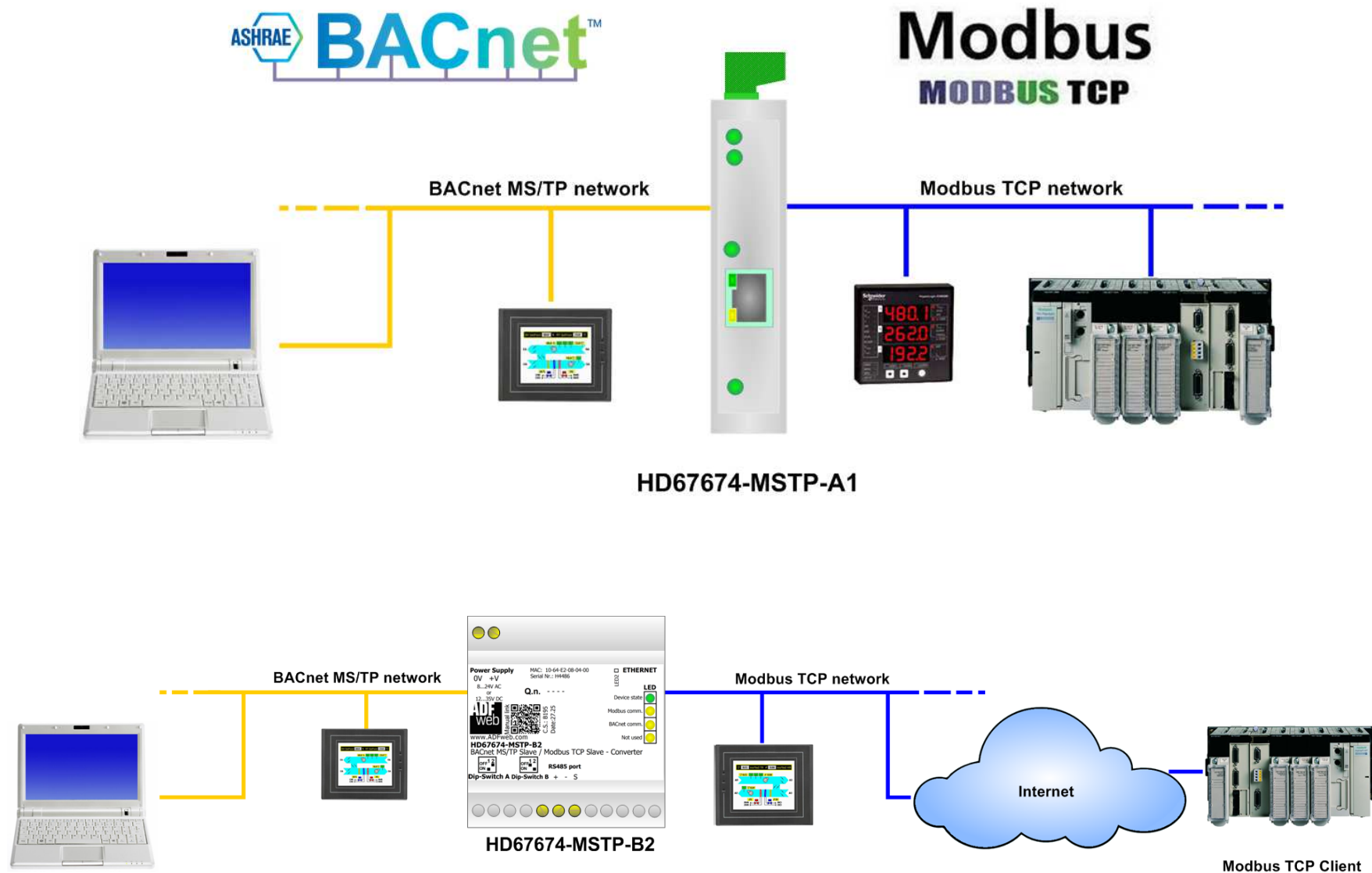
⚠️ This symbol indicates that non-observance of the safety instructions is a danger for people that could lead to serious injury or death and / or the possibility of damage.

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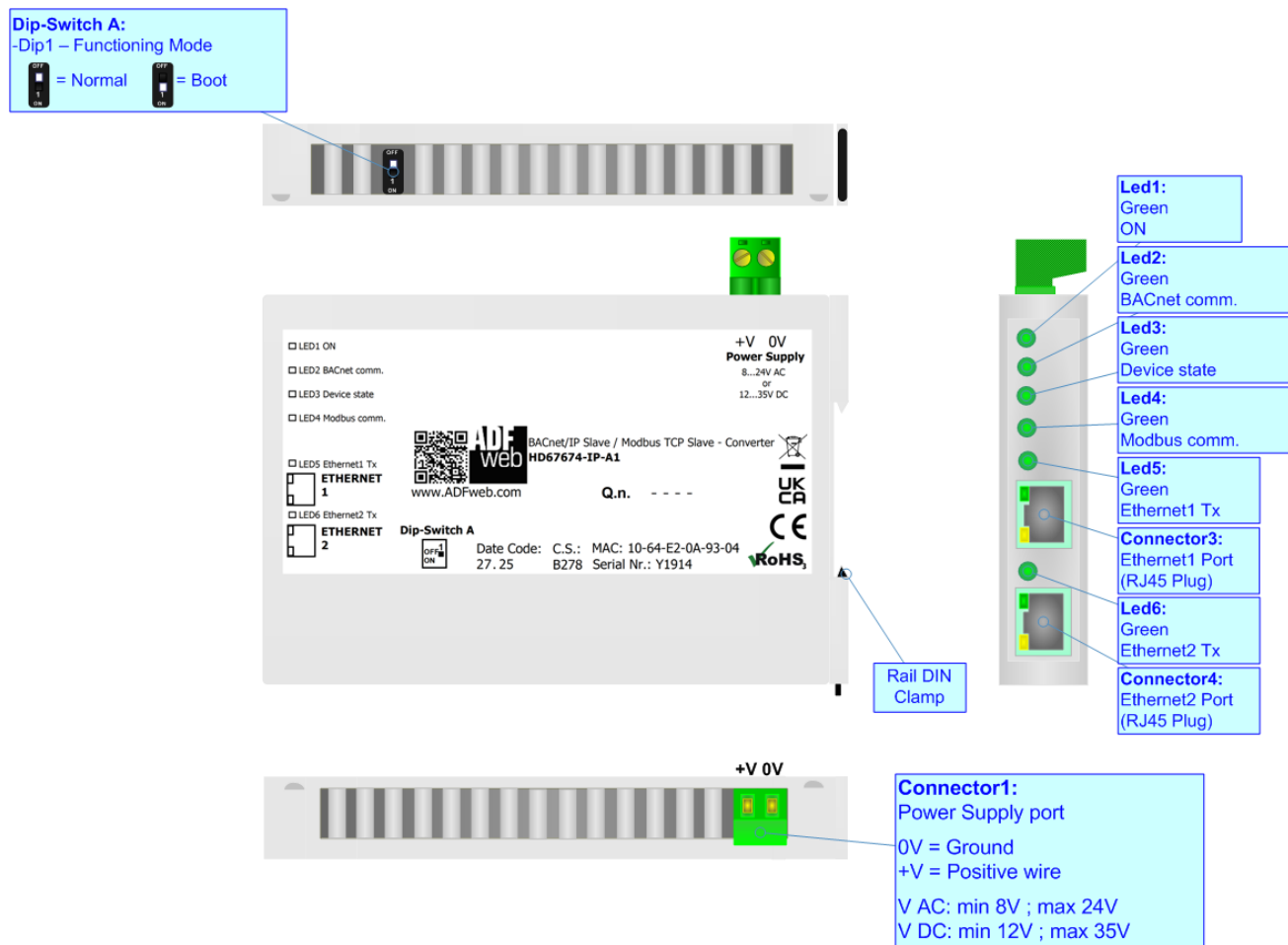
EXAMPLE OF CONNECTION:

HD67674-A1

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HD67674-MSTP-A1

HD67674-MSTP-B2

Industrial Electronic Devices

CONNECTION SCHEME:

Dip-Switch A:
-Dip1 – Functioning Mode

= Normal   = Boot

Led1:
Green
ON

Led2:
Green
BACnet comm.

Led3:
Green
Device state

Led4:
Green
Modbus comm.

Led5:
Green
Ethernet1 Tx

Connector3:
Ethernet1 Port
(RJ45 Plug)

Led6:
Green
Ethernet2 Tx

Connector4:
Ethernet2 Port
(RJ45 Plug)

LED1 ON
LED2 BACnet comm.
LED3 Device state
LED4 Modbus comm.

+V 0V
Power Supply
8...24V AC
or
12...35V DC

LED5 Ethernet1 Tx
ETHERNET 1
LED6 Ethernet2 Tx
ETHERNET 2

BACnet/IP Slave / Modbus TCP Slave - Converter
HD67674-IP-A1
www.ADFweb.com   Q.n. - - - -

Dip-Switch A
OFF
ON

Date Code: C.S.: MAC: 10-64-E2-0A-93-04
27. 25   B278   Serial Nr.: Y1914

UK CA
CE
RoHS

Rail DIN Clamp

+V 0V

Connector1:
Power Supply port

0V = Ground
+V = Positive wire

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

Figure 1a: Connection scheme for HD67674-IP-A1

Industrial Electronic Devices

Dip-Switch A:
-Dip1 – Functioning Mode

☐ = Normal   ☐ = Boot

☐ LED4 Modbus comm.
☐ LED3 BACnet comm.

+ - S
RS485 port

+V 0V
Power Supply
8...24V AC
or
12...35V DC

Dip-Switch B

☐ LED2 Ethernet Link

BACnet MS/TP Slave / Modbus TCP Slave -
Converter
HD67674-MSTP-A1

www.ADFweb.com   Q.n.   - - - -

Ethernet

Dip-Switch A

☐ LED1 Device state

C.S.: B279   MAC: 10-64-E2-0A-91-50
Date Code:27. 25   Serial Nr.: Y1478

Led4:
Green
Modbus comm.

Led3:
Green
BACnet comm.

Led2:
Green
Ethernet Link

Connector5:
Ethernet Port
(RJ45 Plug)

Led1:
Green
Device State

Rail DIN
Clamp

A B S   +V 0V

Connector1:
Power Supply port

0V = Ground
+V = Positive wire

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

Dip-Switch B:
-Dip1 – RS485 Termination Resistor

☐ = Open   ☐ = 220 Ohm

-Dip2 – Not used

Connector3:
RS485 (Isolated port)

S = Shield* (to Isolated Ground)
B = Negative wire
A = Positive wire

Figure 1b: Connection scheme for HD67674-MSTP-A1

Industrial Electronic Devices

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

= Normal   = Boot

Dip-Switch B:
-Dip1 – RS485 Termination Resistor

= Open   = 220 Ohm

-Dip2 – Not used

Connector3:
RS485 (Isolated port)

S = Shield* (to Isolated Ground)
B = Negative wire
A = Positive wire

Led1:
Green
Device state

Led4:
Yellow
Modbus comm.

Led3:
Yellow
BACnet comm.

Led5:
Yellow
Not used

Connector5:
Ethernet Port
(RJ45 Plug)

Led2:
Green
Ethernet Link

Connector1:
Power Supply port

0V = Ground
+V = Positive wire

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

Figure 1c: Connection scheme for HD67674-MSTP-B2

CHARACTERISTICS:

The HD67674-xxx-A1/B2 are BACnet Slave to Modbus TCP Slave and vice-versa converters.

They allows the following characteristics:

→ Up to 2000 BACnet objects (Read+Write);
→ Triple isolation between BACnet - Power Supply, BACnet - Modbus, Power Supply - Modbus.
→ Two-directional information between BACnet bus and Modbus TCP bus;
→ 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 SW67674 software on your PC in order to perform the following:

→ Define the parameter of BACnet line;
→ Define the parameter of Modbus TCP line;
→ Define BACnet objects that contains the data sent by the Master Modbus;
→ Define BACnet objects that contains the data to send to the Master Modbus;
→ 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]
HD67674-IP-A1	3.5
HD67674-MSTP-A1/B2	3.5

Connector1:
Power Supply port

0V = Ground
+V = Positive wire

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

Connector1:
Power Supply port

0V = Ground
+V = Positive wire

V AC: min 8V ; max 24V
V DC: min 12V ; max 35V
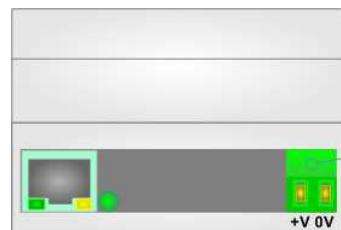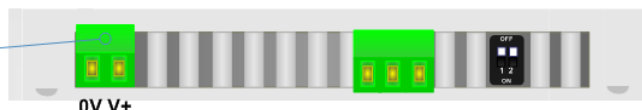
Connector1:
Power Supply port

0V = Ground
+V = Positive wire

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

Caution: Not reverse the polarity power
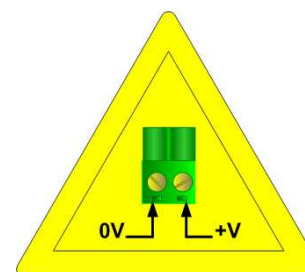
HD67674-A1
HD67674-MSTP-A1

HD67674-MSTP-B2

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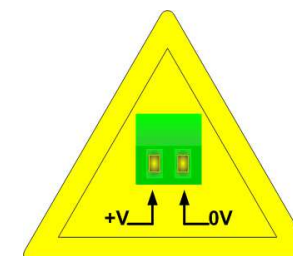
FUNCTION MODES:

The devices HD67674-IP-A1 and HD67674-MSTP-A1 has got two functions mode depending of the position of the Dip1 of 'Dip-Switch A':

  ⇒ The first, with Dip1 in Off position (factory setting), is used for the normal working of the device.
  ⇒ The second, with Dip1 in On position, is used for upload the Project/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).
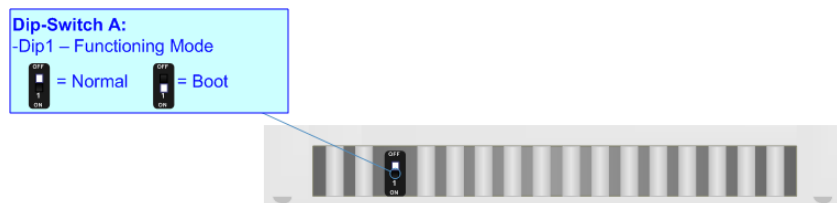
The device HD67674-MSTP-B2 has got two functions mode depending of the position of the 'Dip2 of Dip-Switch A':

  ⇒ 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 uploading 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.
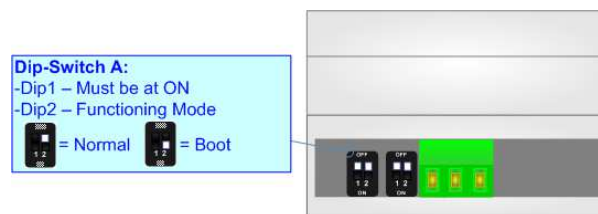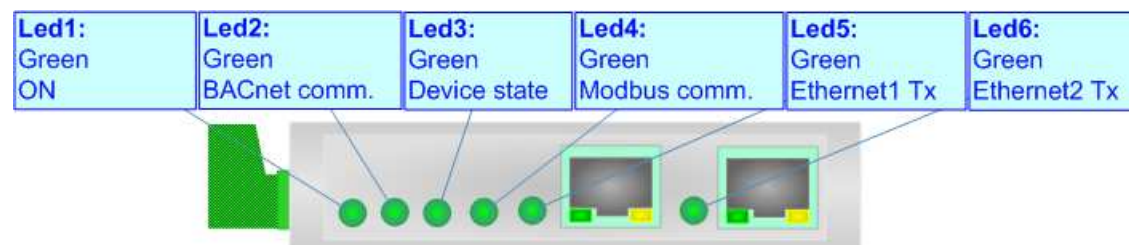

⚠ Warning:
Dip1 of 'Dip-Switch A' must be at ON position to work even if the Ethernet cable is not inserted.

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LEDS:

HD67674-IP-A1

The device has got six 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: ON [supply voltage] (green)	**ON:** Device powered **OFF:** Device not powered	**ON:** Device powered **OFF:** Device not powered
2: BACnet comm. (green)	Blinks quickly when a BACnet response is received	**Blinks quickly:** Boot state **Blinks very slowly (~0.5Hz):** update in progress
3: Device state (green)	Blinks slowly (~1Hz)	**Blinks quickly:** Boot state **Blinks very slowly (~0.5Hz):** update in progress
4: Modbus TCP comm. (green)	Blinks quickly when a Modbus response is received	**Blinks quickly:** Boot state **Blinks very slowly (~0.5Hz):** update in progress
5: Ethernet1 Tx (green)	Blinks when Ethernet frames are transmitted	**Blinks quickly:** Boot state **Blinks very slowly (~0.5Hz):** update in progress
6: Ethernet2 Tx (green)	Blinks when Ethernet frames are transmitted	**Blinks quickly:** Boot state **Blinks very slowly (~0.5Hz):** update in progress

Led1:
Green
ON

Led2:
Green
BACnet comm.

Led3:
Green
Device state

Led4:
Green
Modbus comm.

Led5:
Green
Ethernet1 Tx

Led6:
Green
Ethernet2 Tx

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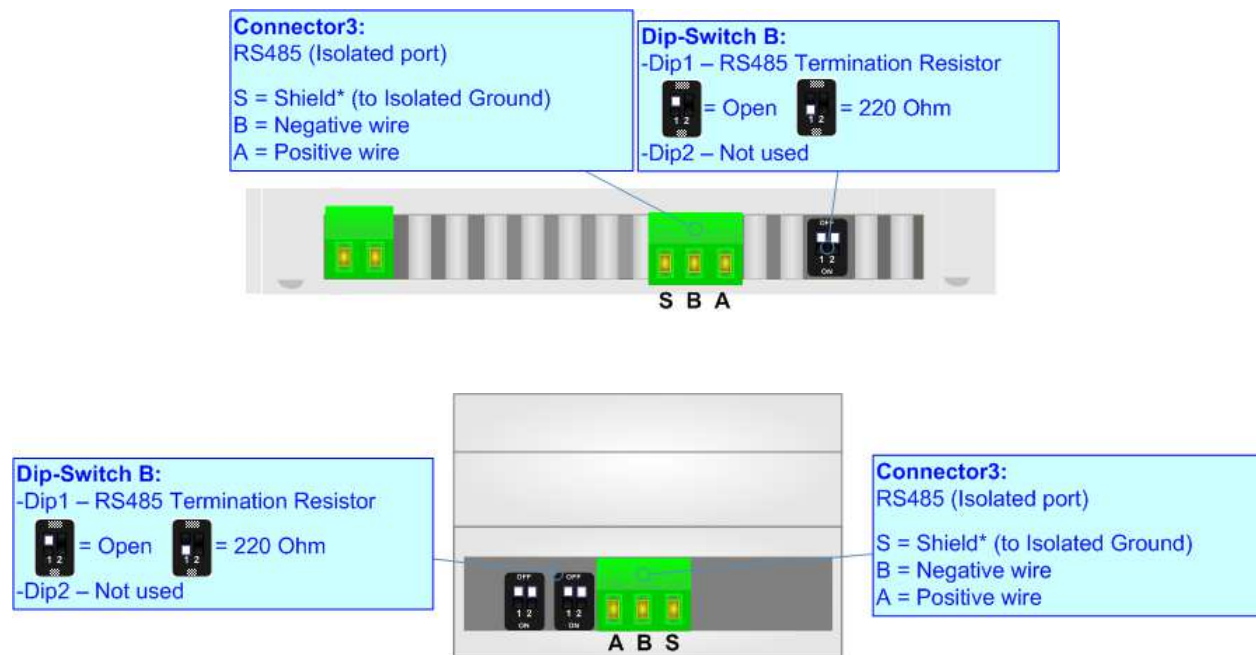
HD67674-MSTP-A1/B2

The device has four LEDs (five in the B2 versions) that are used to give information of the functioning status.
The various meanings of the LEDs are described in the table below.

LED	Normal Mode	Boot Mode
1: Device State	Blinks slowly (~1Hz)	**Blinks quickly:** Boot state **Blinks very slowly (~0.5Hz):** update in progress
2: Link Ethernet	**ON:** Ethernet cable connected **OFF:** Ethernet cable disconnected	**ON:** Ethernet cable connected **OFF:** Ethernet cable disconnected
3: BACnet comm.	Blinks quickly when receive a BACnet request	**Blinks quickly:** Boot state **Blinks very slowly (~0.5Hz):** update in progress
4: Modbus comm.	Blinks quickly when a Modbus response is received	**Blinks quickly:** Boot state **Blinks very slowly (~0.5Hz):** update in progress
5: Not used	OFF	**Blinks quickly:** Boot state **Blinks very slowly (~0.5Hz):** update in progress

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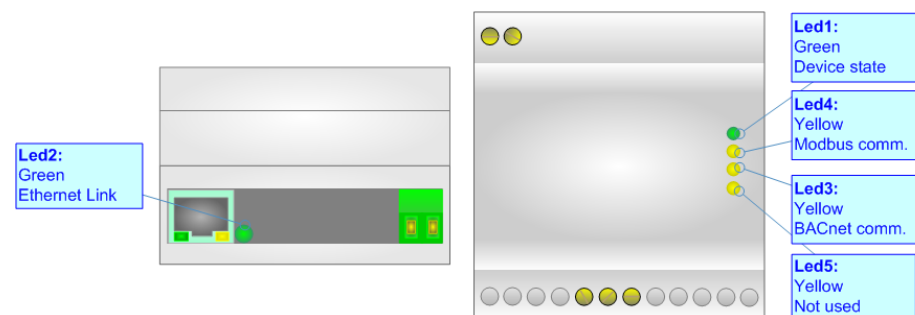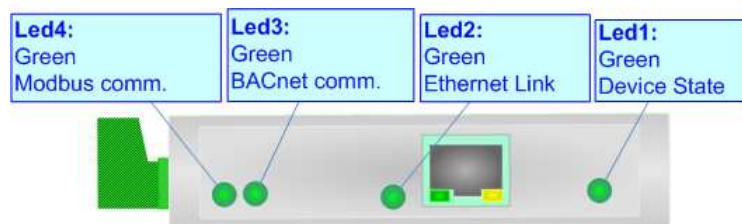
RS485 (for HD67674-MSTP-A1/B2):

To terminate the RS485 line with a 220Ω resistor it is necessary to put ON dip 1, like in figure.

Connector3:
RS485 (Isolated port)

S = Shield* (to Isolated Ground)
B = Negative wire
A = Positive wire

Dip-Switch B:
-Dip1 – RS485 Termination Resistor

= Open   = 220 Ohm

-Dip2 – Not used

S B A

Dip-Switch B:
-Dip1 – RS485 Termination Resistor

= Open   = 220 Ohm

-Dip2 – Not used

Connector3:
RS485 (Isolated port)

S = Shield* (to Isolated Ground)
B = Negative wire
A = Positive wire

A B S

The maximum length of the cable should be 1200m (4000 feet).

Here some codes of cables:

- Belden: p/n 8132 - 2x 28AWG stranded twisted pairs conductor + foil shield + braid shield;
- Belden p/n 82842 - 2x 24AWG stranded twisted pairs conductor + foil shield + braid shield;
- Tasker: p/n C521 - 1x 24AWG twisted pair conductor + foil shield + braid shield;
- Tasker: p/n C522 - 2x 24AWG twisted pairs conductor + foil shield + braid shield.

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ETHERNET:

The Ethernet ports are used for BACnet/IP communication, for Modbus TCP communication and for programming the devices.
The Ethernet connection must be made using Connector3 and/or Connector4 and/or Connector5 of HD67674 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.
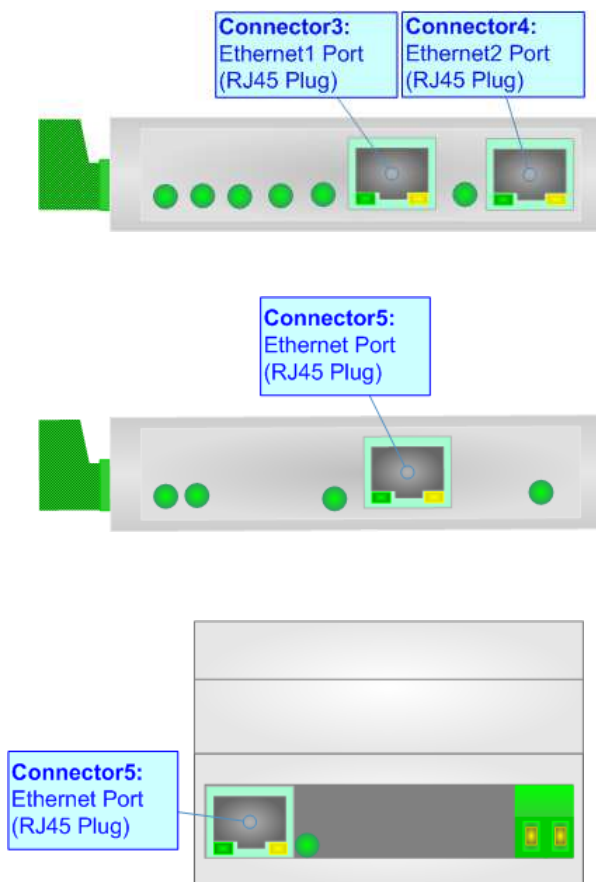
USE OF COMPOSITOR SW67674:

To configure the Converter, use the available software that runs with Windows called SW67674. It is downloadable from 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 SW67674, the window below appears (Fig. 2).
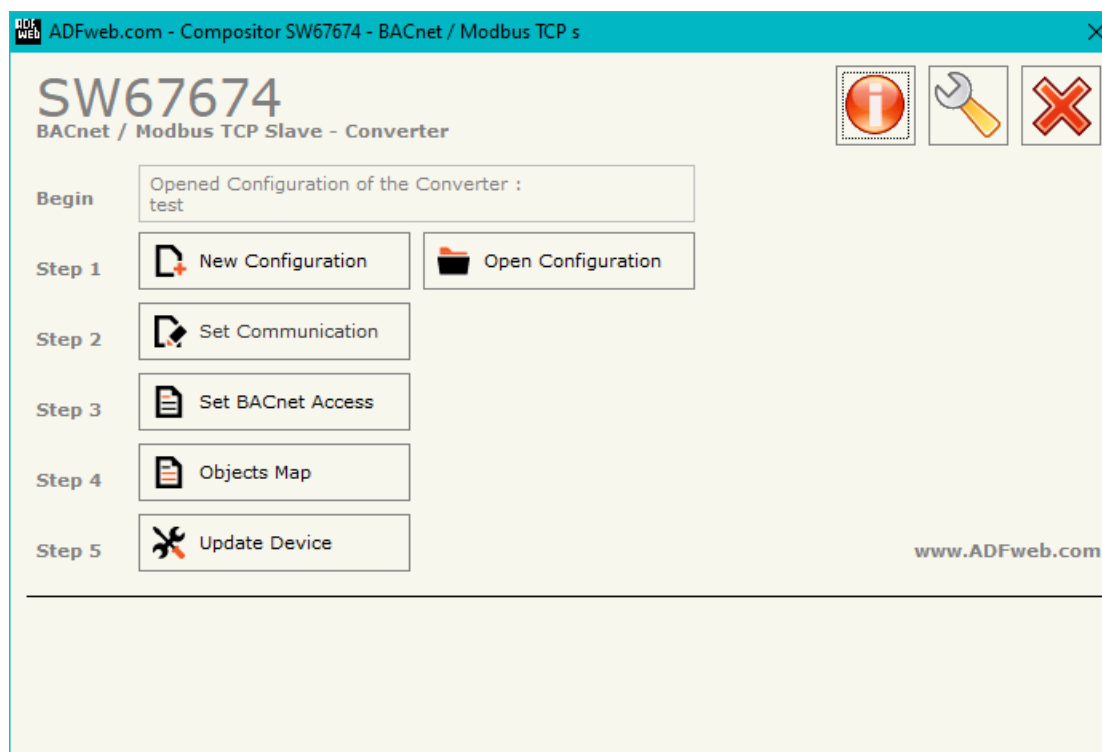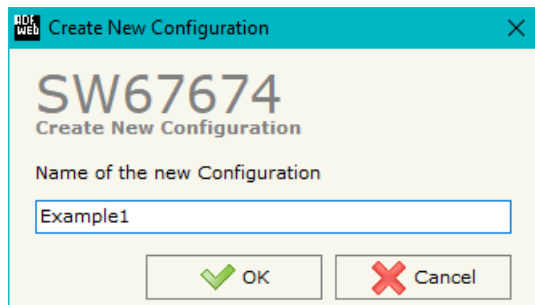
Note:
It is necessary to have installed .Net Framework 4.

Figure 2: Main window for SW67674

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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 "BACnet slave / Modbus TCP 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**".

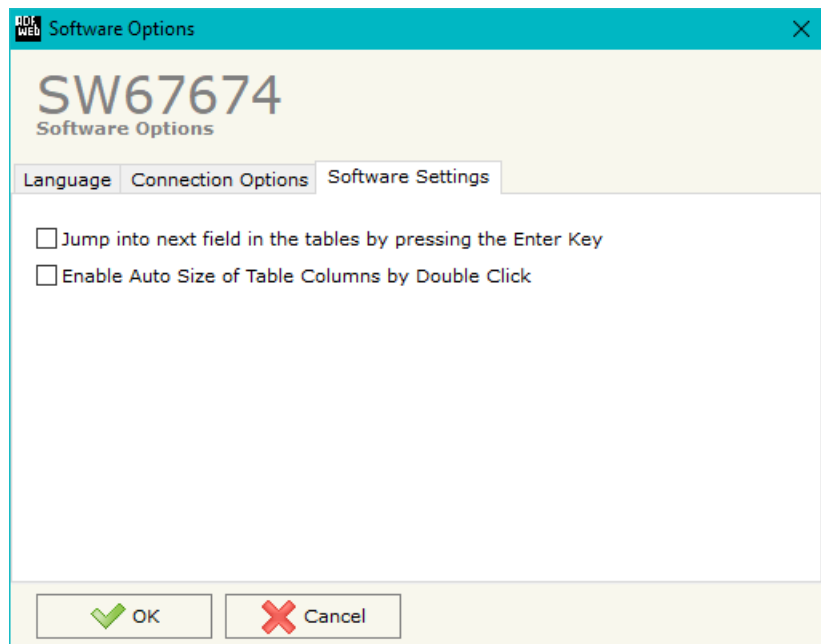Industrial Electronic Devices
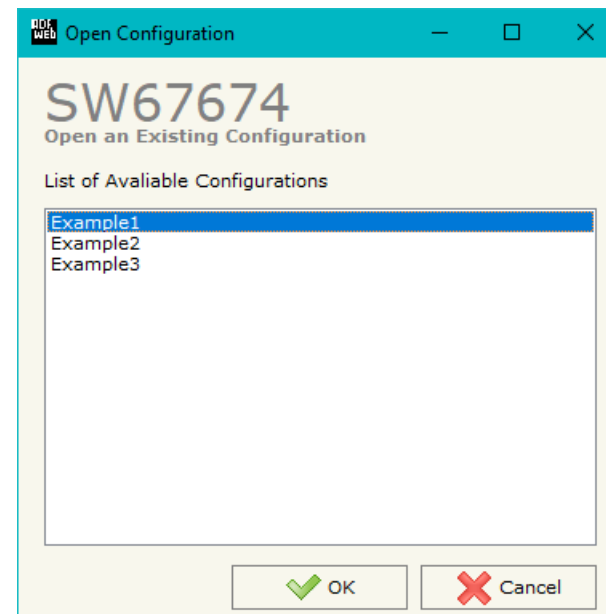
SOFTWARE OPTIONS:

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.
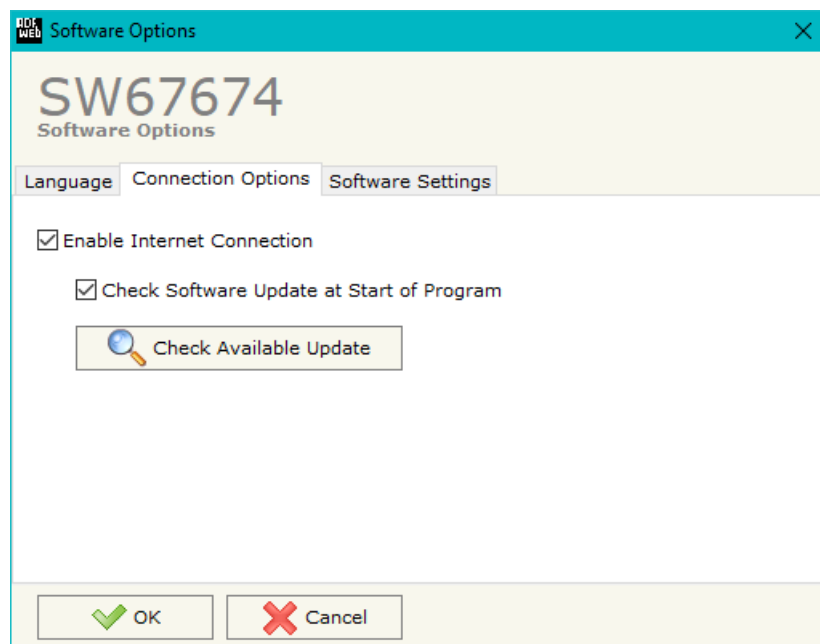
In the section "Connection Options", it is possible to check if there are some updatings of the software compositor in ADFweb.com website.
Checking the option "**Check Software Update at Start of Program**", the SW67674 check automatically if there are updatings when it is launched.

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SW67674
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

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.

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SET COMMUNICATION:

This section define the fundamental communication parameters of two buses, BACnet and Modbus TCP.

By Pressing the "**Set Communication**" button from the main window for SW67674 (Fig. 2) the window "Set Communication" appears (Fig. 3).
The window is divided in three sections, one for selecting the type of BACnet (in relation to the device bought), one for the BACnet parameters and the other for the Modbus TCP parameters.

In the section "BACnet Type" is possible to select the type of BACnet to use from:

- BACnet/IP (it uses Ethernet);
- BACnet MS/TP (it uses RS485);

If selected "BACnet/IP" the means of the fields for "BACnet" are:

- In the field "**IP ADDRESS**" insert the IP address that you want to give to the Converter;
- In the field "**SUBNET Mask**" insert the SubNet Mask;
- In the field "**GATEWAY**" insert the default gateway that you want to use. This feature can be enabled or disabled pressing the Check Box field. This feature is used for going out of the net;
- In the field "**Port**" the port used for BACnet communication is defined. The default port used for BACnet communication is 47808, but is possible to insert any value (except 10000 and 10001);
- In the field "**BACnet Device Name**" it is possible to assign a name to the BACnet node;
- In the field "**Device Identifier**" it is possible to assign a number to the BACnet node (Used for the Device Identifier).
- If the field "**BACnet description up to 32 chars**" is checked, the description for the BACnet Objects can be up to 32 chars long;
- If the field "**Enable BBMD**" is checked, the BACnet/IP Broadcast Management Device function is enabled;
- If the field "**Accept FDR**" is checked, the converter accepts the Foreign Device Registration.

Figure 3a: "Set Communication" window

The means of the fields for "Modbus TCP Slave" section are:

- In the field "**IP ADDRESS**" the IP address of Modbus TCP side of the converter is defined;
- In the field "**SUBNET Mask**" the SubNet Mask of Modbus TCP side of the converter is defined;
- In the field "**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;
- In the field "**Port**" the port used for Modbus TCP communication is defined.

If selected "BACnet MS/TP" the means of the fields for "BACnet" are:

- In the field "**Baudrate**" it is possible to select the baudrate of the BACnet (9600, 19200, 38400, 57600, 76800, 115200);
- In the field "**Parity**" it is possible to select the parity of the line (None, Odd, Even);
- In the field "**BACnet Device Name**" is possible to insert the name to give to the BACnet node (maximum 17 characters);
- In the field "**MAC Address**" it is possible to define the MAC of BACnet node (from 0 to 254);
- The field "**Max Masters**" specifies the highest allowable address for master nodes. The value shall be less than or equal to 127;
- The field "**Max Info Frames**" specifies the maximum number of information frames the node may send before it must pass the token;
- In the field "**Device Istance**" it is possible to assign a number to the BACnet node (Used for the Device Istance);
- In the field "**Network**" it is possible to define the number of the MS/TP network.
- If the field "**BACnet description up to 32 chars**" is checked, the description for the BACnet Objects can be up to 32 chars long.

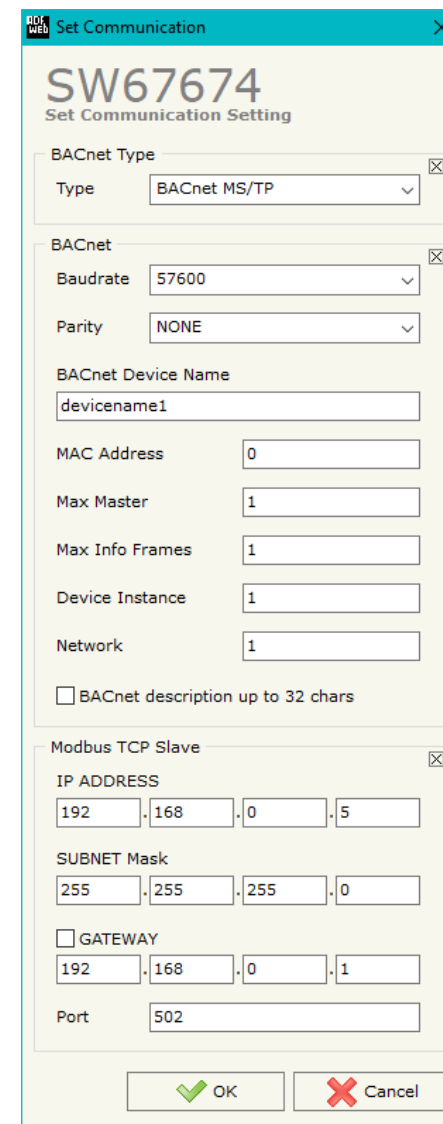These informations are used for programming the Converter.

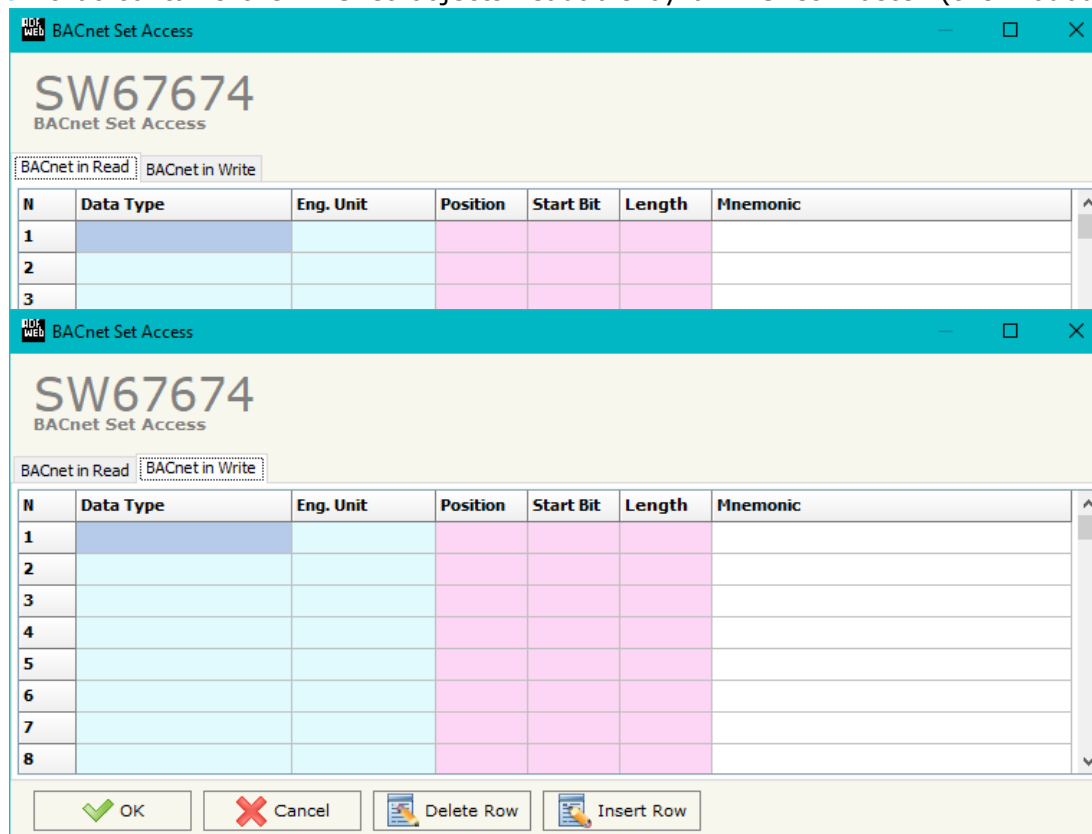*Figure 3b: "Set Communication" window*

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SET BACNET ACCESS:

By Pressing the "**Set BACnet Access** " button from the main window for SW67674 (Fig. 2) the window "BACnet Set Access" appears (Fig. 4).

The window is divided in two parts, the "**BACnet in Read**" that contains the BACnet objects readable by a BACnet master (the Modbus registers associated to these objects are writeable by a Modbus master); and "**BACnet in Write**" that contains the BACnet objects writeable by a BACnet master (the Modbus registers associated to these objects are readable by a Modbus master).

The meaning of the fields in the window are the follows:

- In the field "**Data Type**" is possible to select the BACnet object data type. The available options are: analog-input, analog-output, binary-input, binary-output, positive-integer-value, large-analog-value, integer-value;

- In the field "**Eng. Unit**", with double click the window "*Select the BACnet Engineering Unit*" appears (Fig. 5);

- In the field "**Position**" is possible to select the position where take/save the data from a 1400 bytes array;

- The field "**Start Bit**" is used for the "Binary In" and "Binary Out" BACnet objects;

- The field "**Length**" is used for all the others BACnet objects;

- In the field "**Mnemonic**" a description of the data inserted in the row is defined.

Figure 4: "BACnet Set Access" window

Note:
For the BACnet objects defined in the section "BACnet in Read" is possible to read the 'present-value' property; for the BACnet objects defined in the section "BACnet in Write" is possible to write/read the 'present-value' property.

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It is possible to insert directly the Unit (using its unique number) by compiling the "**Selected BACnet Engineering Unit**" field; or by selecting with the fields "**Select the Type**" and "**Select unit**" the Type/Unit desired. If the second way is used, is necessary to press the "**Select Engineering Unit**" button for confirm the choice.
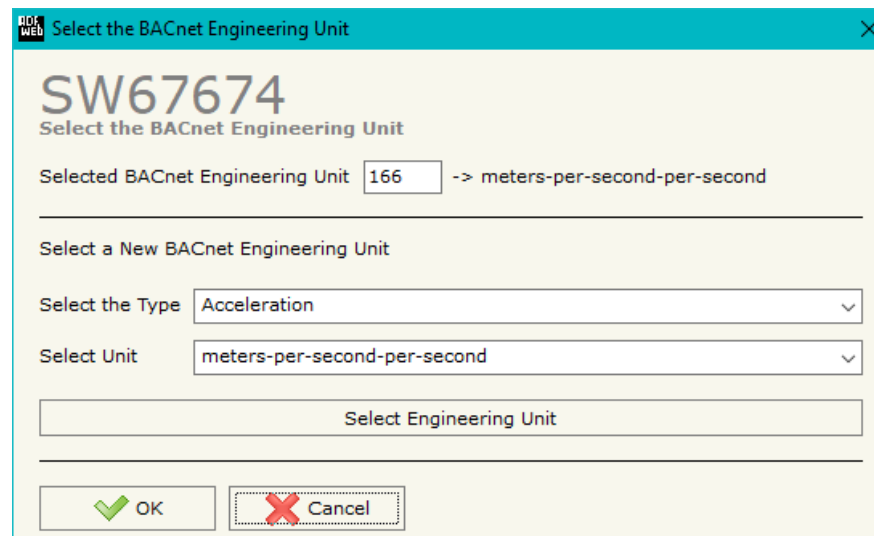

Figure 5: "Select the BACnet Engineering Unit" window

OBJECTS MAP:

By Pressing the "**Objects Map**" button from the main window for SW67674 (Fig. 2) is possible to create a .csv document with the map of BACnet Objects.

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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.

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' at ON position;
- Turn on the device
- Connect the Ethernet cable;
- Insert the IP "**192.168.2.205**";
- Press the "**Ping**" button, "Device Found!" must appear";
- Press the "**Next**" button;
- 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' at OFF position;
- Turn on the device.

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

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;
- Press the "**Ping**" button, must appear "Device Found!";
- Press the "**Next**" button;
- 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.
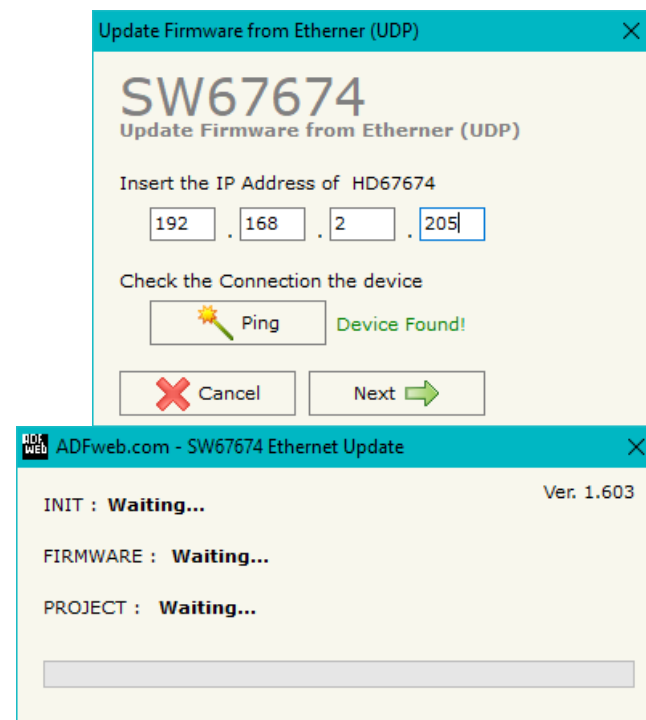
Figure 6: "Update device" windows

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

Note:
When you install a new version of the software, if it is the first time it is better you do the update of the Firmware in the HD67674 device.

Note:
When you receive the device, for the first time, you also have to update the Firmware in the HD67674 device.

Warning:
If Fig. 7 appears when you try to do the Update try these points before seeking assistance:

- Try to repeat the operations for the updating;
- Try to repeat the operations for the updating;
- Try with another PC;
- Try to restart the PC;

- Check the LAN settings;
- Check the Wi-Fi 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.

In the case of HD67674 you have to use the software "SW67674": www.adfweb.com\download\filefold\SW67674.zip.
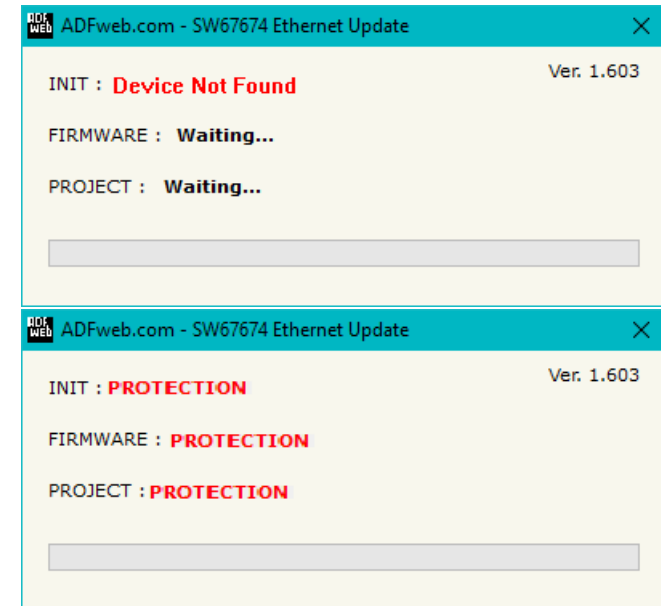
Figure 7: "Protection" window

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MECHANICAL DIMENSIONS:

LED1 ON

LED2 BACnet comm.

LED3 Device state

LED4 Modbus comm.

LED5 Ethernet1 Tx
ETHERNET 1

LED6 Ethernet2 Tx
ETHERNET 2

Dip-Switch A

OFF 1
ON

+V   0V
Power Supply
8...24V AC
or
12...35V DC

BACnet/IP Slave / Modbus TCP Slave - Converter
HD67674-IP-A1

www.ADFweb.com   Q.n.   - - - -

UK CA

CE

Date Code: C.S.:   MAC: 10-64-E2-0A-93-04
27.25   B278   Serial Nr.: Y1914

RoHS₃

90.7 mm
3.57 inch

83.7 mm
3.3 inch

123 mm
4.84 inch

22.5 mm
0.89 inch

Housing: PC-ABS
Weight: 200g (Approx)

Figure 8a: Mechanical dimensions scheme for HD67674-IP-A1

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LED4 Modbus comm.
LED3 BACnet comm.
Dip-Switch B

\+ \- S
RS485 port

\+V 0V
Power Supply
8...24V AC
or
12...35V DC

BACnet MS/TP Slave / Modbus TCP Slave - Converter
HD67674-MSTP-A1

www.ADFweb.com

Q.n. - - - -

LED2 Ethernet Link

Ethernet

Dip-Switch A

LED1 Device state

C.S.: B279
Date Code:27.25

MAC: 10-64-E2-0A-91-50
Serial Nr.: Y1478

90.7 mm
3.57 inch

83.7 mm
3.3 inch

123 mm
4.84 inch

22.5 mm
0.89 inch

Housing: PC-ABS
Weight: 200g (Approx)

Figure 8b: Mechanical dimensions scheme for HD67674-MSTP-A1

![ADFweb logo] Industrial Electronic Devices

Figure 8c: Mechanical dimensions scheme for HD67674-MSTP-B2
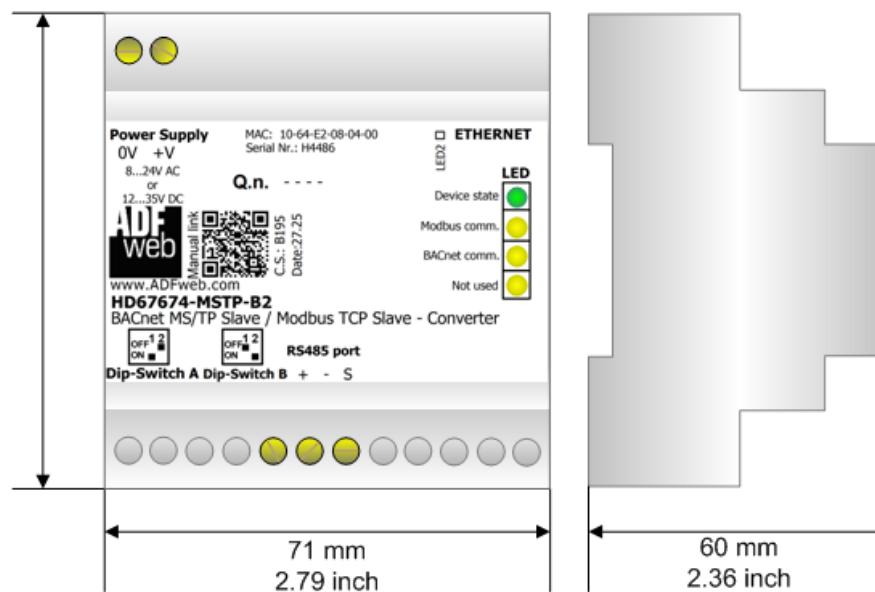
Housing: PVC
Weight: 200g (Approx)

71 mm
2.79 inch

60 mm
2.36 inch

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ORDERING INFORMATIONS:

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

HD67674 – xxxx – x x

Connectors Type
1: Removable 5mm Screw Terminal
2: Fixed 5mm Screw Terminal

Enclosure Type
A: 1M, 35mm DIN Rail mounting
B: 4M, 35mm DIN Rail mounting

BACnet Type
IP: BACnet/IP
MSTP: BACnet MS/TP

Device Family
HD67674: BACnet slave / Modbus TCP slave - Converter

Order Code: **HD67674-IP-A1**   -   BACnet/IP slave / Modbus TCP slave – Converter (Housing type: A)
Order Code: **HD67674-MSTP-A1**   -   BACnet MS/TP slave / Modbus TCP slave – Converter (Housing type: A)
Order Code: **HD67674-MSTP-B2**   -   BACnet MS/TP slave / Modbus TCP slave – Converter (Housing type: B)

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

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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 impact of 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.

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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.

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