

# BACnet Guide

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# Tabla de Contenidos



|                                                            |    |
|------------------------------------------------------------|----|
| BACnet Configuration .....                                 | 3  |
| Download App.....                                          | 3  |
| Setting up BACnet.....                                     | 3  |
| Before you begin.....                                      | 3  |
| BACnet IP (Ethernet) .....                                 | 4  |
| BACnet IP (Wi-Fi).....                                     | 5  |
| Device Installation .....                                  | 7  |
| Parts and pieces .....                                     | 7  |
| Description.....                                           | 7  |
| BACnet IP (PoE) .....                                      | 8  |
| Steps to follow .....                                      | 8  |
| Description.....                                           | 9  |
| BACnet IP (110 - 240V AC / 8 - 36V DC) .....               | 10 |
| Steps to follow .....                                      | 10 |
| Description.....                                           | 11 |
| Protocol Implementation Conformance Statement (PICS) ..... | 12 |
| Purpose .....                                              | 12 |
| Contents .....                                             | 12 |
| Download .....                                             | 12 |

# BACnet Configuration



## Download App

Parameters such as BACnet ID, BACnet Name, as well as setting up a static IP address, can be configured in the inBiot setup app.

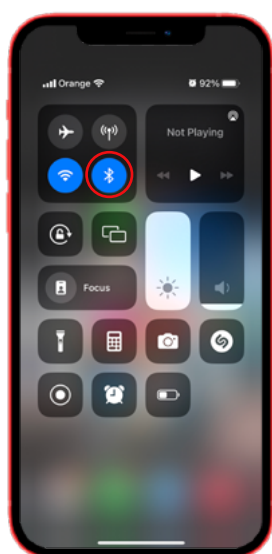
You can download this application through the links to the stores or by scanning the following QR code.



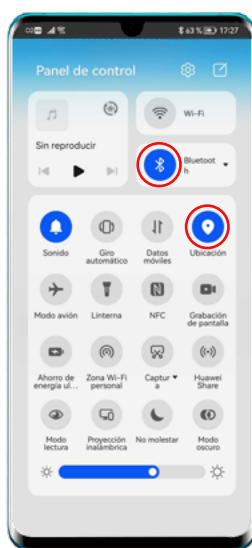
## Setting up BACnet

### Before you begin

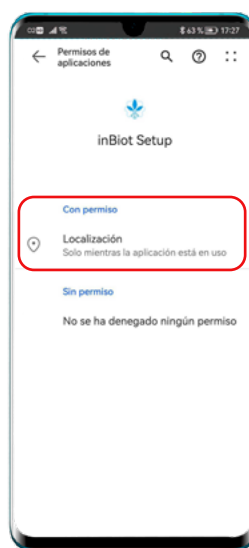
1. Remember to turn on Bluetooth on your phone. For Android, also turn on location and make sure the app has permissions to use it.



iOS (iPhone)



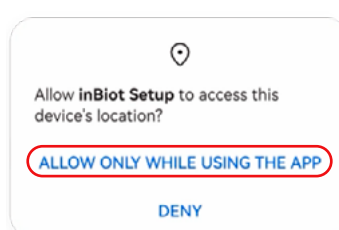
Android



2. Open "inBiot Setup" app. If a message appears requesting permission to use the location, allow the app to use it.

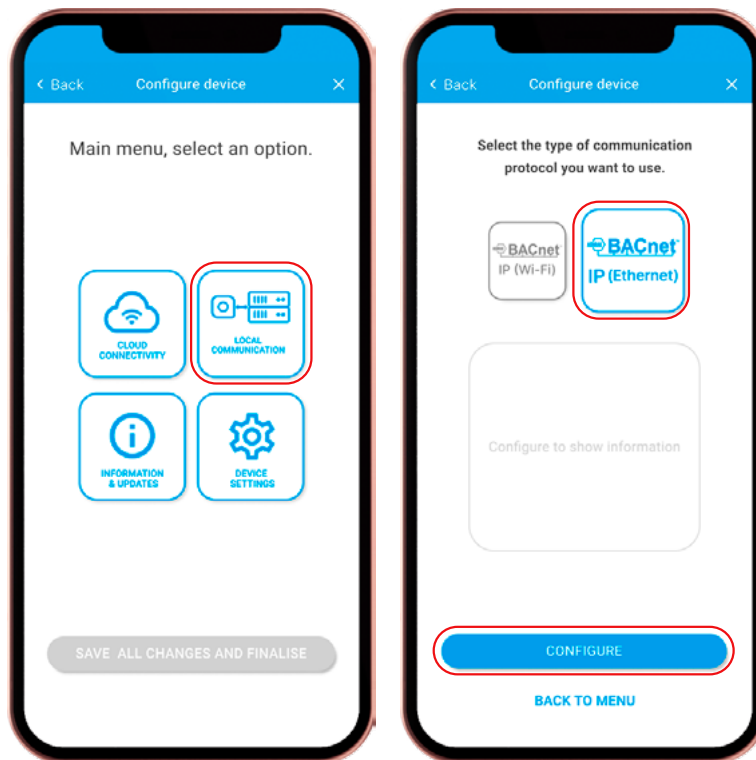


inBiot Setup

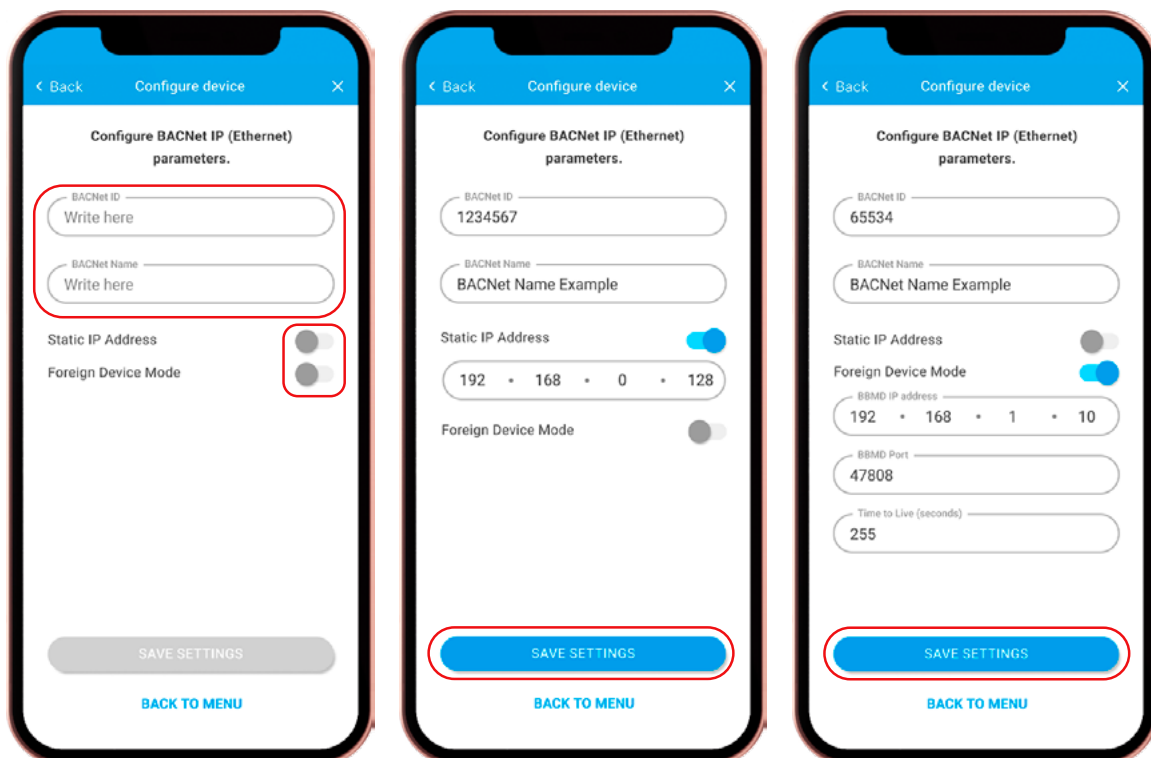


## BACnet IP (Ethernet)

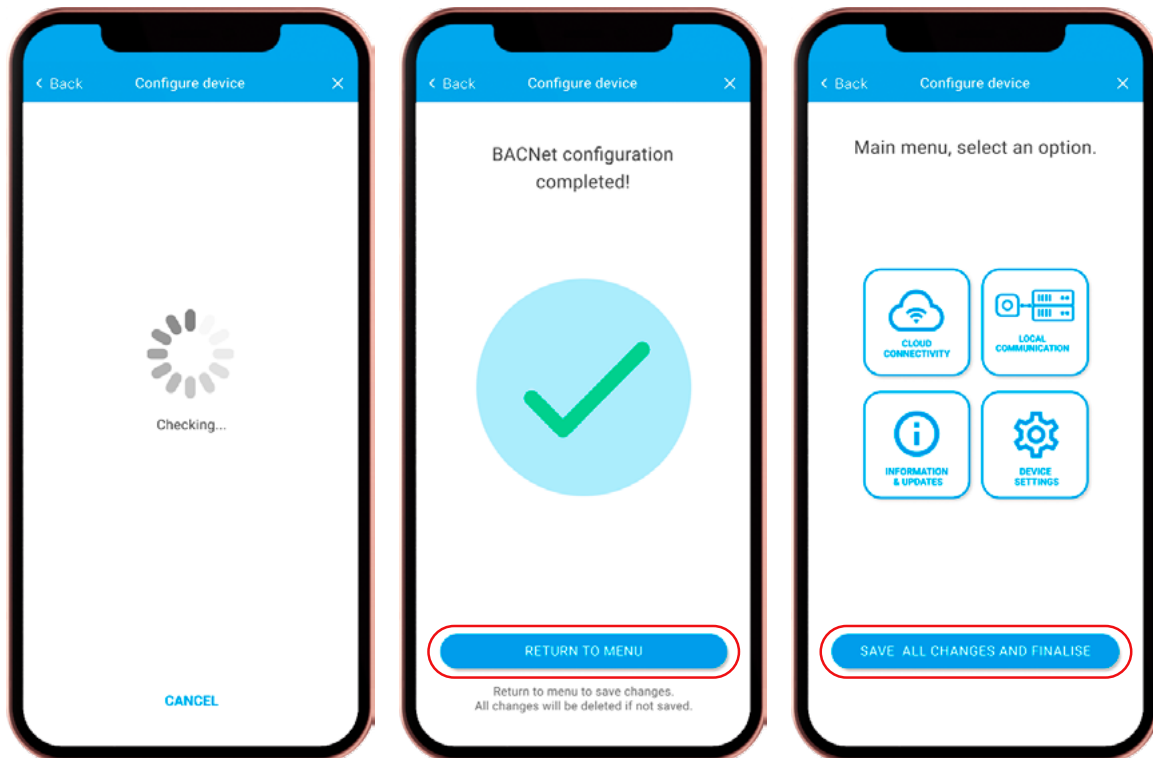
1. On the main menu select LOCAL COMMUNICATION.
2. Then, select the correct installation type, in this case Ethernet and press CONFIGURE.



3. Next, enter the BACnet ID and name. If you wish to setup a static IP address or activate Foreign Device Mode, you must turn on the switch for those options.
4. When you're done press SAVE SETTINGS.

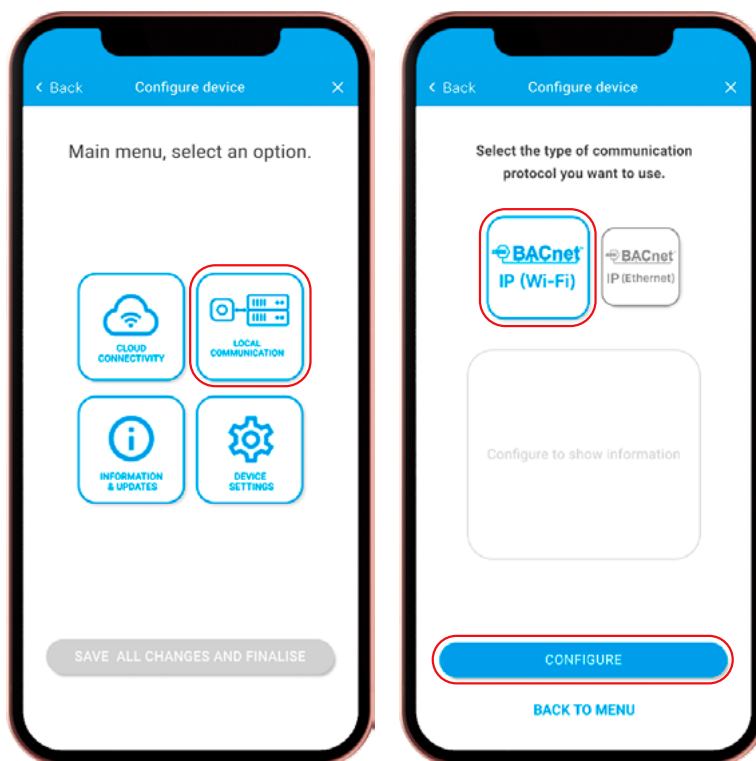


5. Wait while the settings are processed and once the configuration is complete, remember to return to the Main menu and save the changes.



## BACnet IP (Wi-Fi)

1. On the main menu select LOCAL COMMUNICATION.
2. Then, select the correct installation type, in this case Wi-Fi and press CONFIGURE.



- Next, enter the BACnet ID and name. If you wish to setup Foreign Device Mode, you must turn on the switch for that option.
- When you're done press CONTINUE.

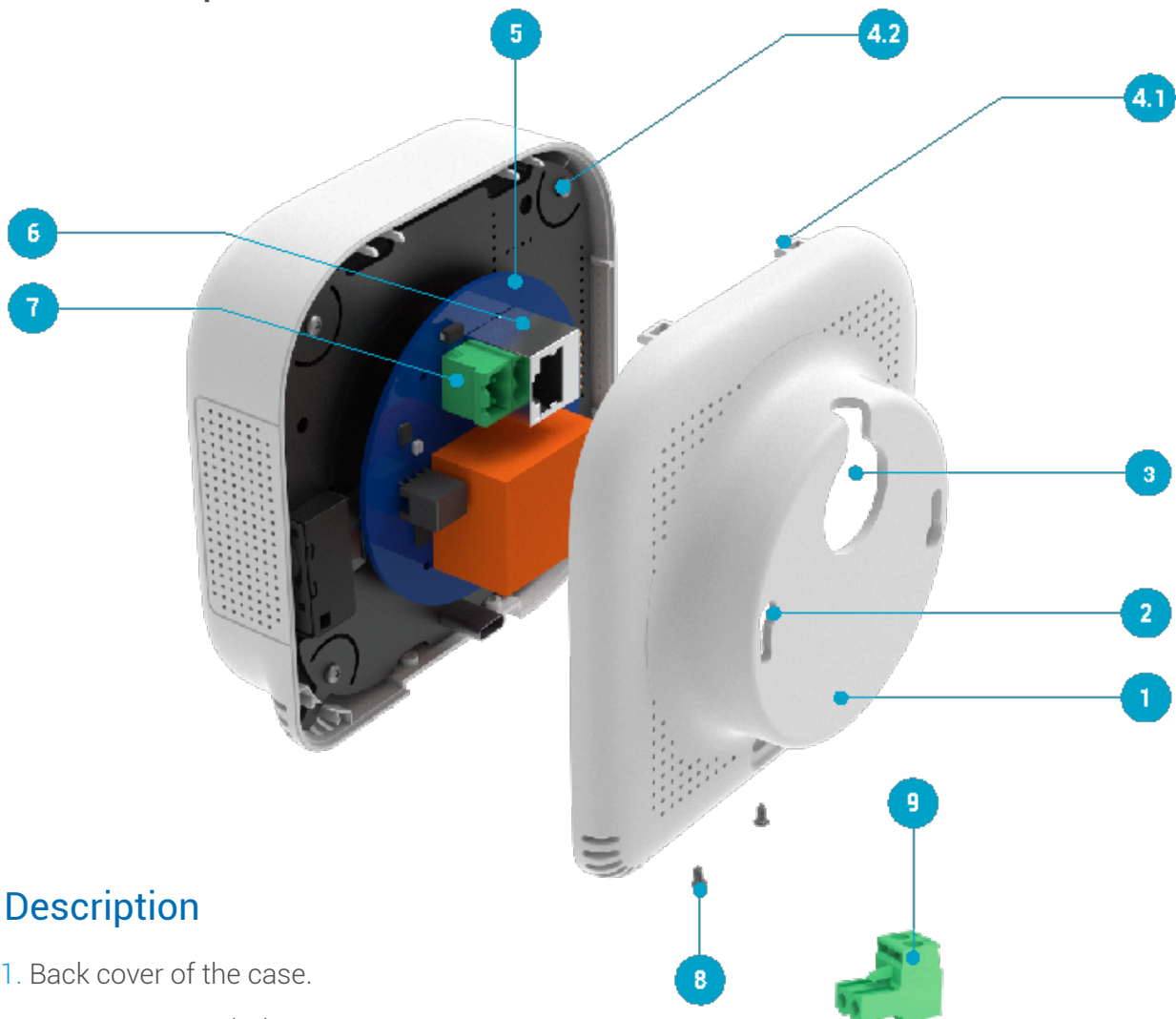
The first screenshot shows the 'Configure BACNet IP (wireless) parameters.' screen with input fields for BACNet ID and BACNet Name, and a toggle for Foreign Device Mode. The second screenshot shows the BACNet ID set to 1234567 and the BACNet Name set to BACNet Name Example. The third screenshot shows the Foreign Device Mode toggle turned on, with additional fields for BBMD IP address (192.168.1.10), BBMD Port (47808), and Time to Live (255).

- Select the Wi-Fi network you want to connect to, and follow the steps required to connect to the network.
- When the configuration is complete, remember to return to the Main menu and save the changes.

The first screenshot shows the 'Connect to a Wi-Fi network.' screen with a list of available networks. The second screenshot shows the 'BACNet configuration completed!' screen with a green checkmark. The third screenshot shows the 'Main menu, select an option.' screen with four icons: Cloud Connectivity, Local Communication, Information & Updates, and Device Settings.



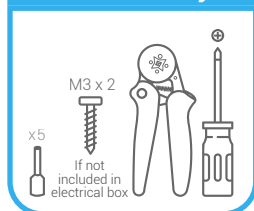
## Parts and pieces



## Description

1. Back cover of the case.
2. Mounting holes (x2).
3. Cable inlet.
4. 1) Assembly hooks (x2).  
2) Assembly guides (x2).
5. Electronic Motherboard (MOBO).
6. Female Ethernet terminal.
7. Female power terminal.
8. Assembly screws (x2).
9. Male power terminal.

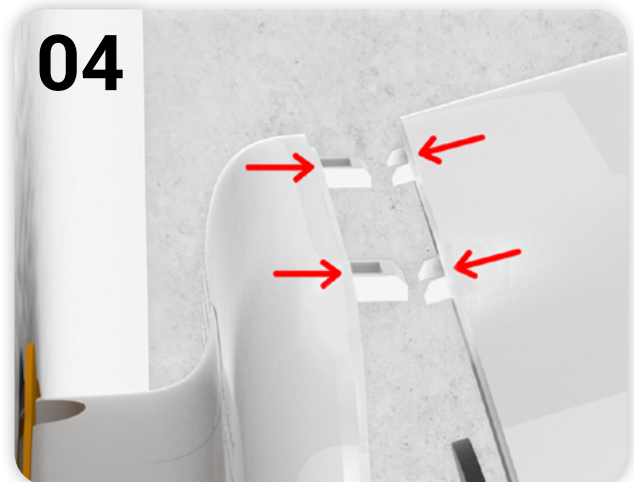
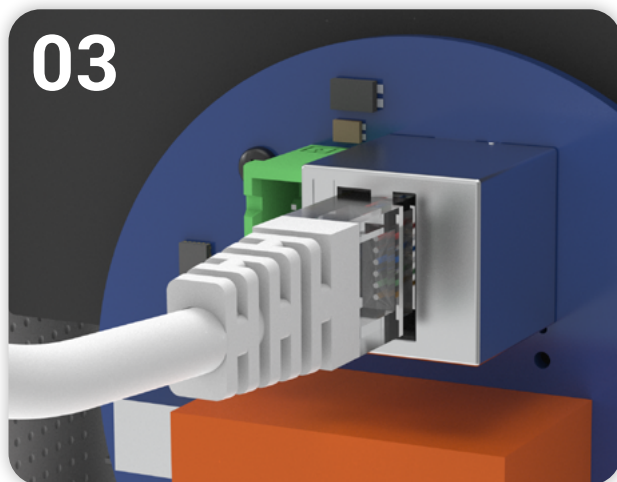
### Necessary



Note: The recommended height for installation is 120 - 180cm.

## BACnet IP (PoE)

### Steps to follow

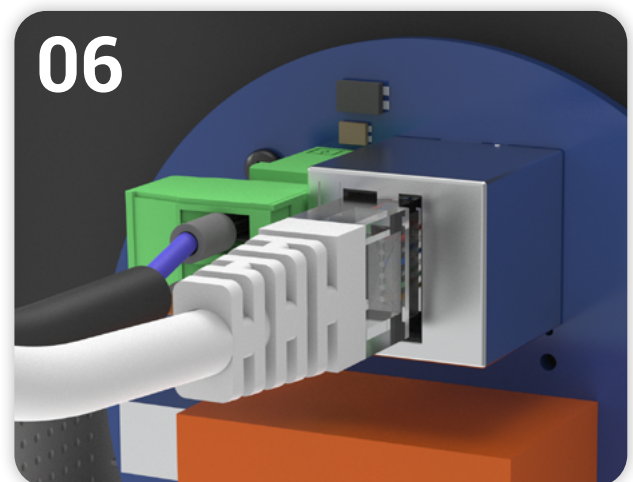
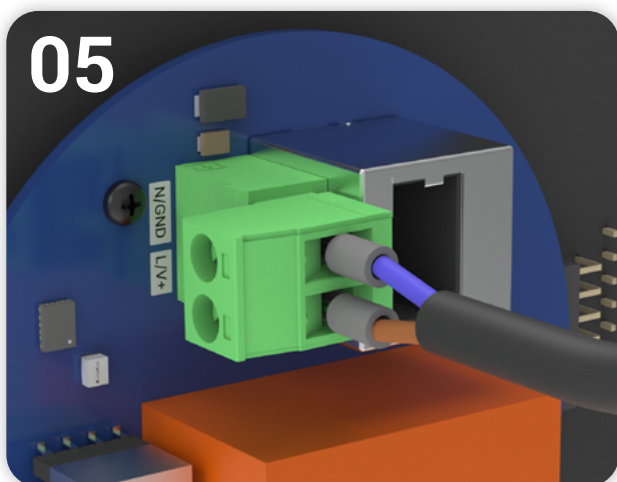
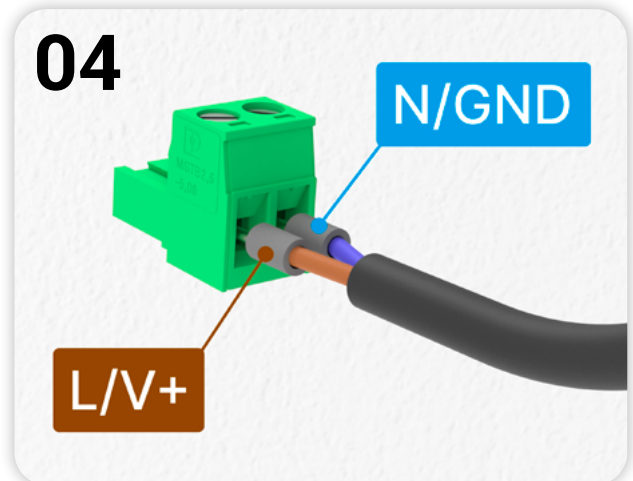


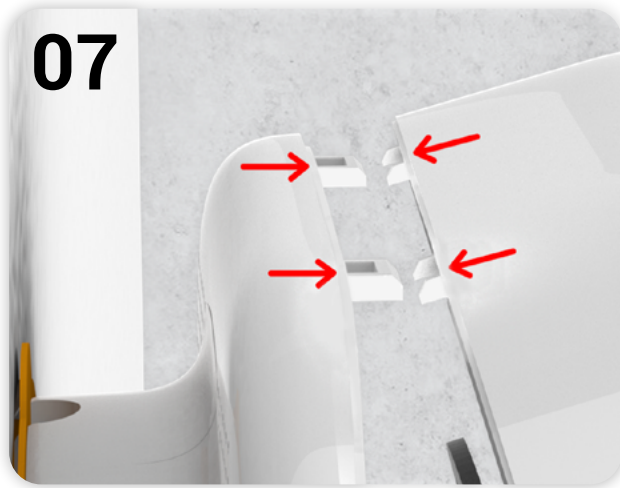
## Description

1. To begin, run the power cable (PoE) through the inlet ❸ located on the back cover ❶ of the case.
2. Next, mount the back cover ❶ to the wall. To do this, insert the screws in the wall through the mounting holes ❷ and rotate the housing so that it is straight. Then, using a screwdriver tighten the screws to secure it in position.
3. Connect the Ethernet cable to the female Ethernet terminal ❹ located on the motherboard ❺.
4. You can now close the MICA: Align the assembly guides ❸ with the assembly hooks ❸ (this must be done with the housing slightly tilted) and then close the back cover ❶.
5. To finish, secure the case with the two lower assembly screws ❸.

# BACnet IP (110 - 240V AC / 8 - 36V DC)

## Steps to follow





## Description

1. To begin, run the power cable (PoE) through the inlet ❸ located on the back cover ❶ of the case.
2. Next, mount the back cover ❶ to the wall. To do this, insert the screws in the wall through the mounting holes ❷ and rotate the housing so that it is straight. Then, using a screwdriver tighten the screws to secure it in position.
3. **Before proceeding**, add ferrules to the wires on the power cable.
4. Next, connect the power wires to the male power terminal ❹ provided. If the power supply is **direct current (8 - 36V DC)**, remember to respect the order of the inputs (**V+ and GND**).
5. Connect the power cable to the female power terminal ❷ located in the motherboard ❺.
6. Connect the Ethernet cable to the female Ethernet terminal ❸ located on the motherboard ❺.
7. You can now close the MICA: Align the assembly guides ❹ with the assembly hooks ❹ (this must be done with the housing slightly tilted) and then close the back cover ❶.
8. To finish, secure the case with the two lower assembly screws ❸.

# Protocol Implementation Conformance Statement



The BACnet PICS document, is a standardized document used to describe the BACnet capabilities and features supported by a particular device or software implementation.

## Purpose

The PICS document provides a formal declaration of:

- Which BACnet services and objects a device supports.
- Conformance to specific BACnet profiles.
- Communication options (e.g., BACnet/IP, BACnet MS/TP).
- Optional features or special behaviors.
- Interoperability capabilities for integration with other BACnet devices.

## Contents

The following sections are found in the PICS document:

- Vendor and product description.
- Standardized Device Profile Supported (Annex L).
- Interoperability Building Blocks (BIBBs).
- Network layer options (e.g., BACnet/IP, MS/TP).
- List of supported BACnet objects (e.g., Analog Input, Binary Output).
- Segmentation Capability.
- Device Addressing Binding.
- Character Sets Supported.



Download PICS file [↓](#)



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