UNO IAQ Sensor Installation Guide

Product Development Team, BABG

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6.8cm (W)

14.2cm (L)

Function Button

Wall mount buckle holes

Wall mount buckle holes

Filter Reset

Terminal Block

DIP switch

Adapter connector
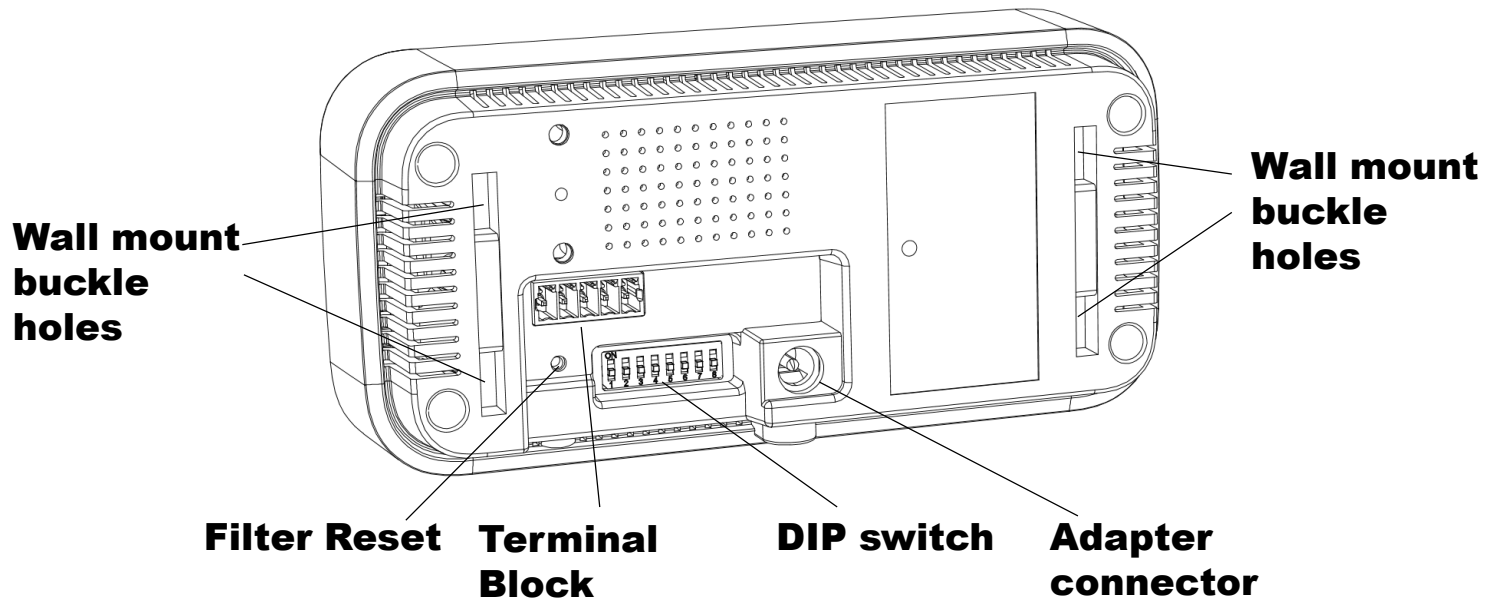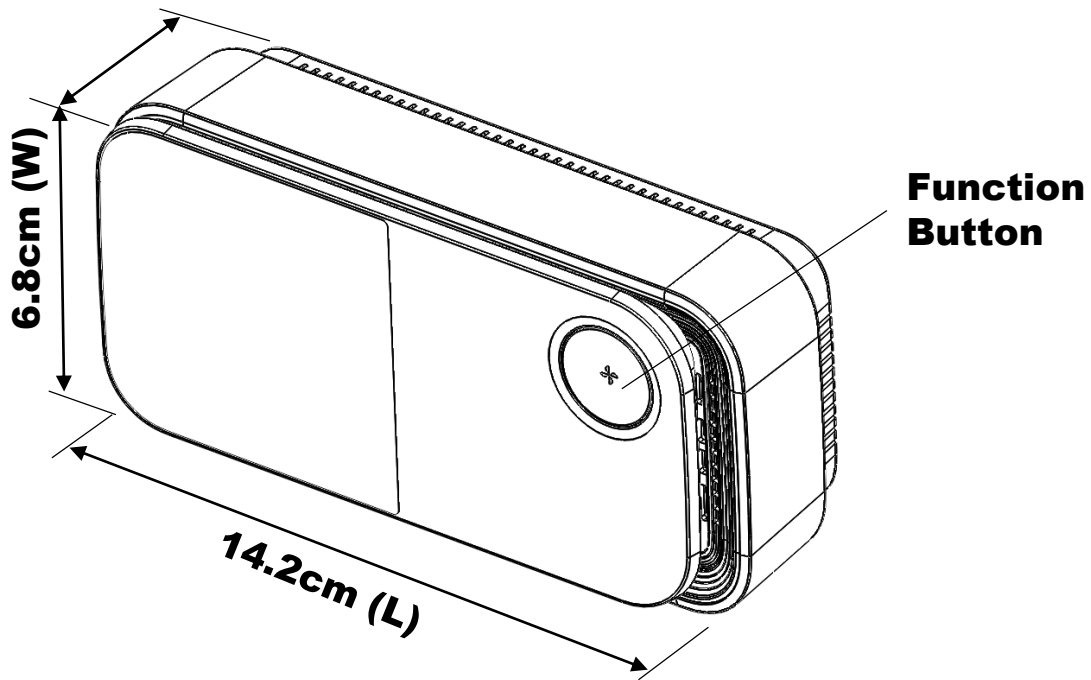
Placement

UNOlite is recommended to be installed below condition and at a height of 0.8~1.5 meters (2.56~ 4.8 feet).

Avoid sunlight

Indoor use only

Keep away from air-conditioning outlet

Keep away from light heat source

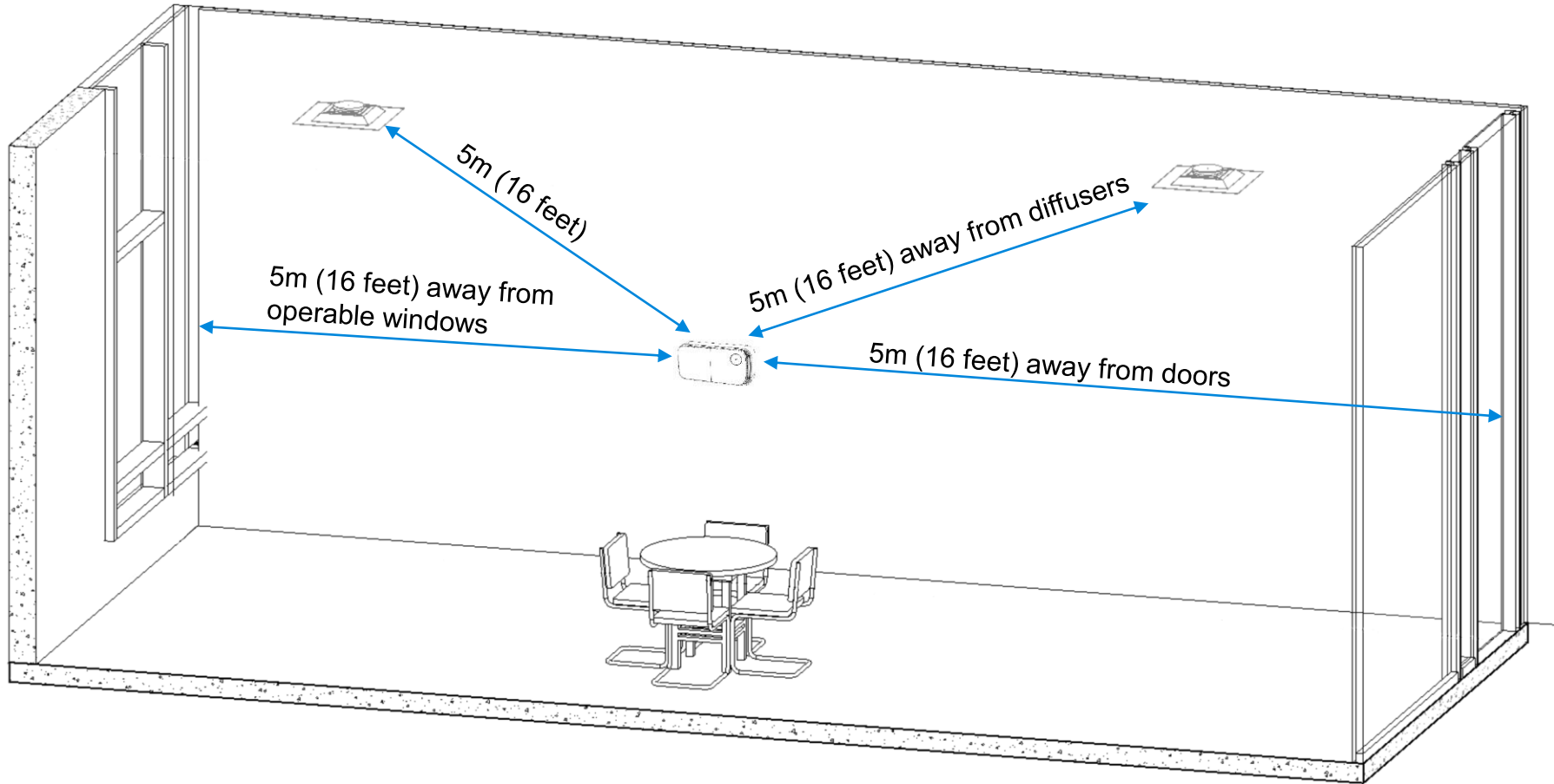Keep away from fire

Keep away from cooking area

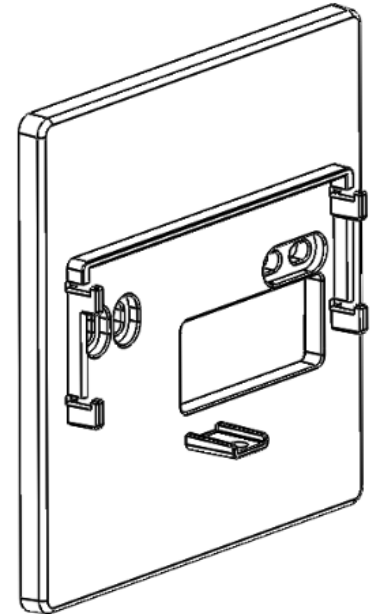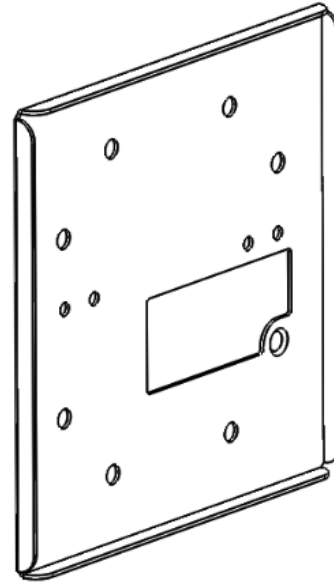Do not use a direct cleaning agent
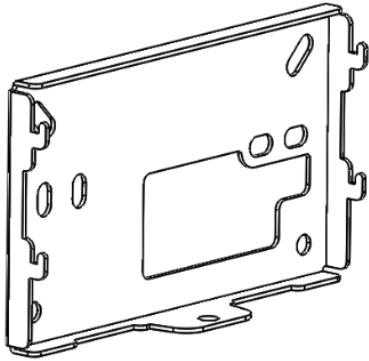
0.8~1.5 meters
(2.56~4.8 feet)

Ground Level

Located at least 5 meters(~16 feet) away from operable windows, doors and diffusers

5m (16 feet)

5m (16 feet) away from operable windows

5m (16 feet) away from diffusers

5m (16 feet) away from doors

DELTA

Step 1
Select suitable Wall Mount Frame to meet different Junction

Plastic Wall Mount Cover Dimension

126.00±0.50

83.00

60.00

127.00±0.50

ø4.5(TYP)

63.00

103.00

21.90±0.50
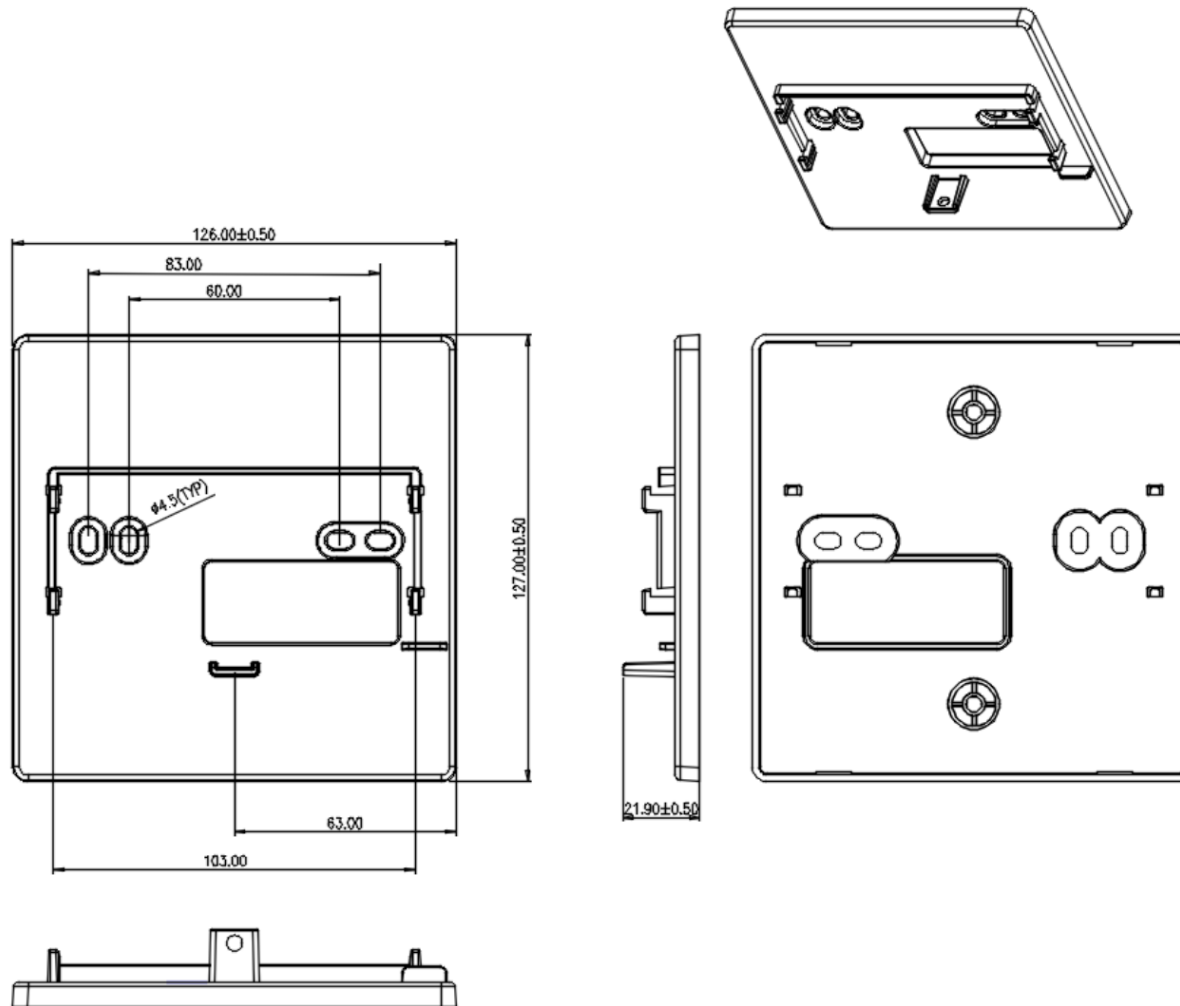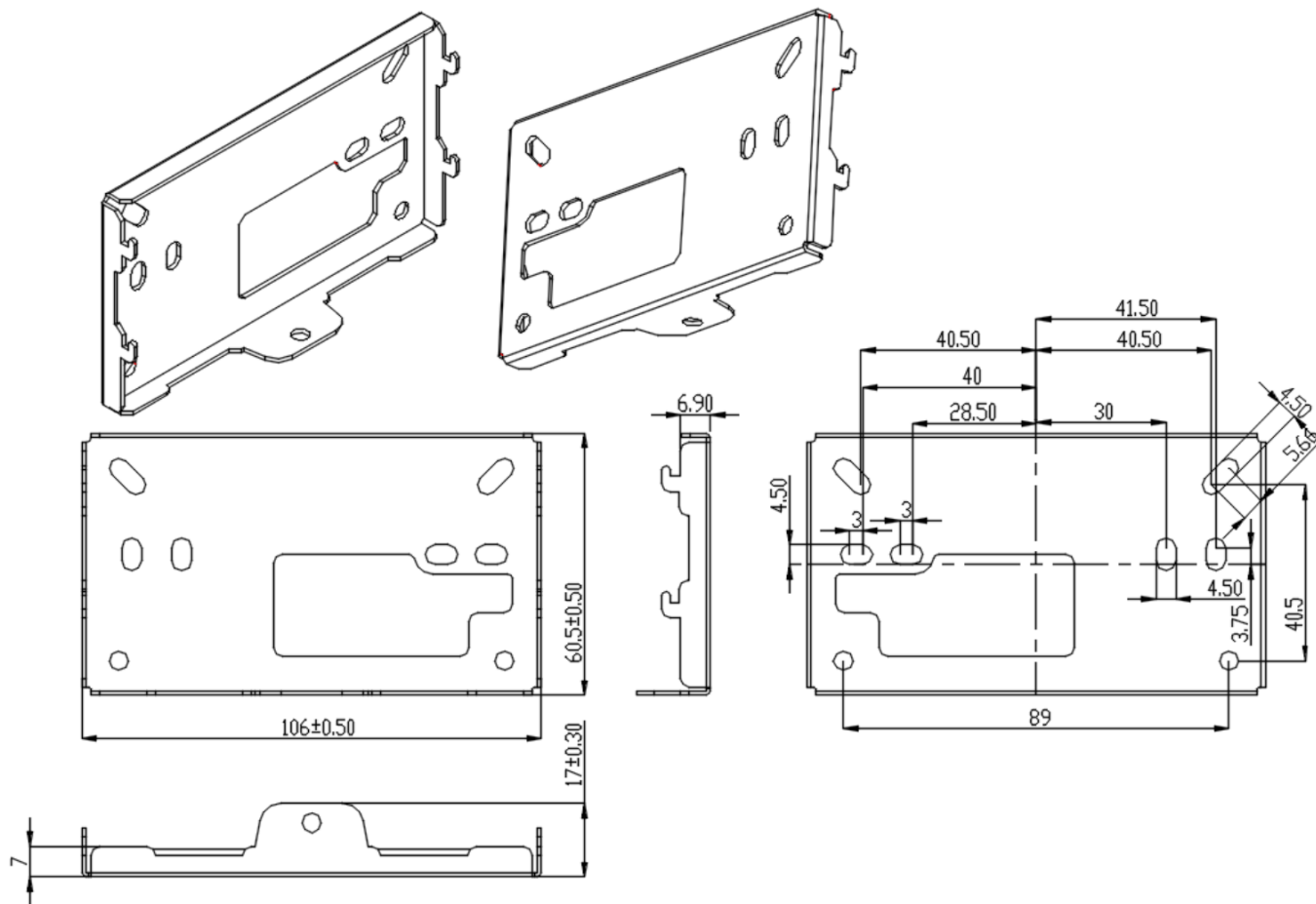
Plastic well module cradle is an accessory that comes with the product (Both UNOnext and UNOlite).

Small Wall Mount frame Dimension
Delta Part No.: 3487312702

41.50
40.50
40.50
40
28.50
30
6.90
4.50
5.66
4.50
60.5±0.50
3 3
4.50
3.75
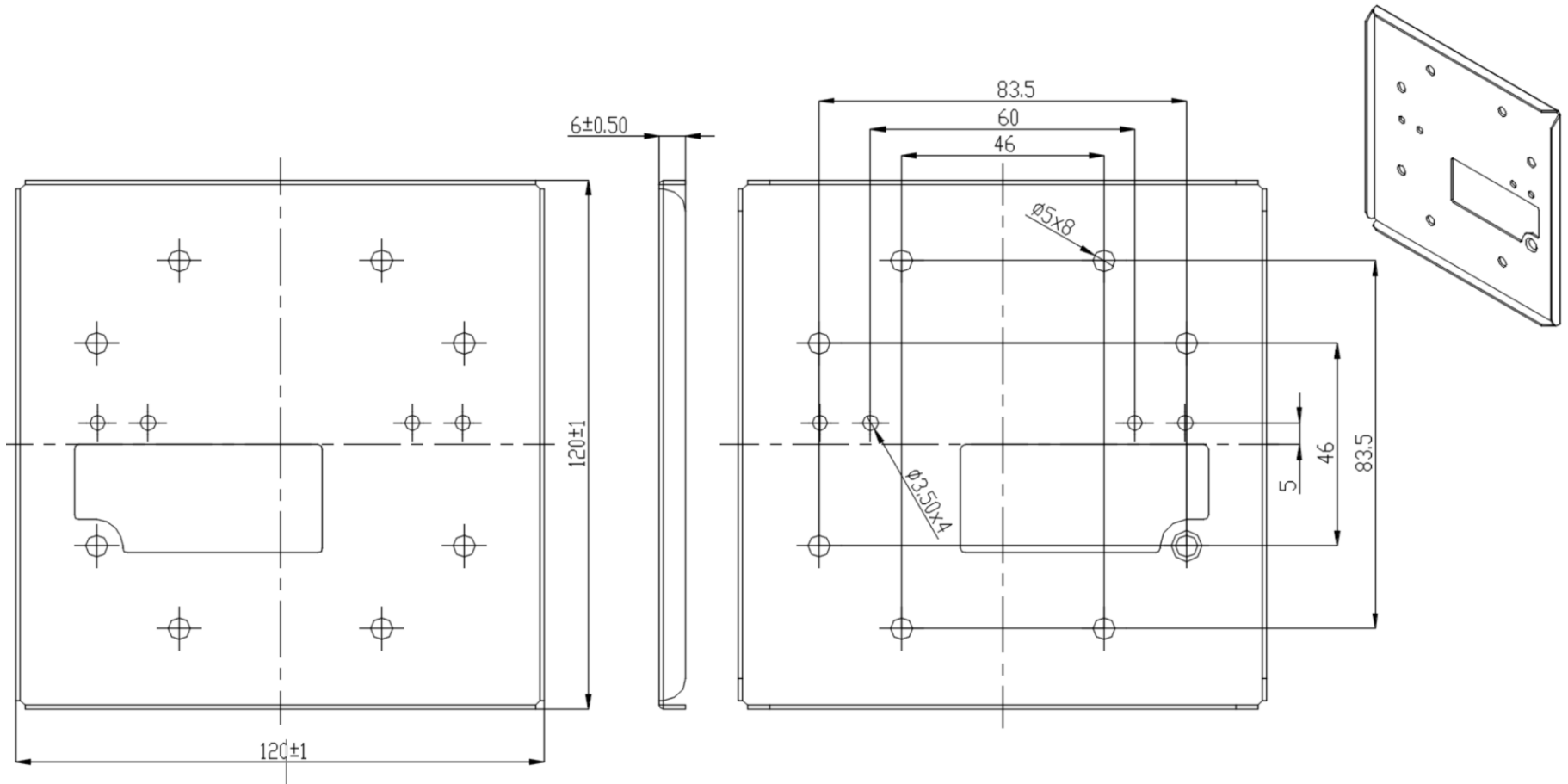40.5
106±0.50
89
17±0.30
7

Compact Wall Mount Frame for 1-Gang Junction Boxes (Compatible with US, EU, & TW Junction Box)

Delta Part No.: 3487312702

This well module frame is an accessory that comes with the product (UNOlite).

Large Wall Mount frame Dimension
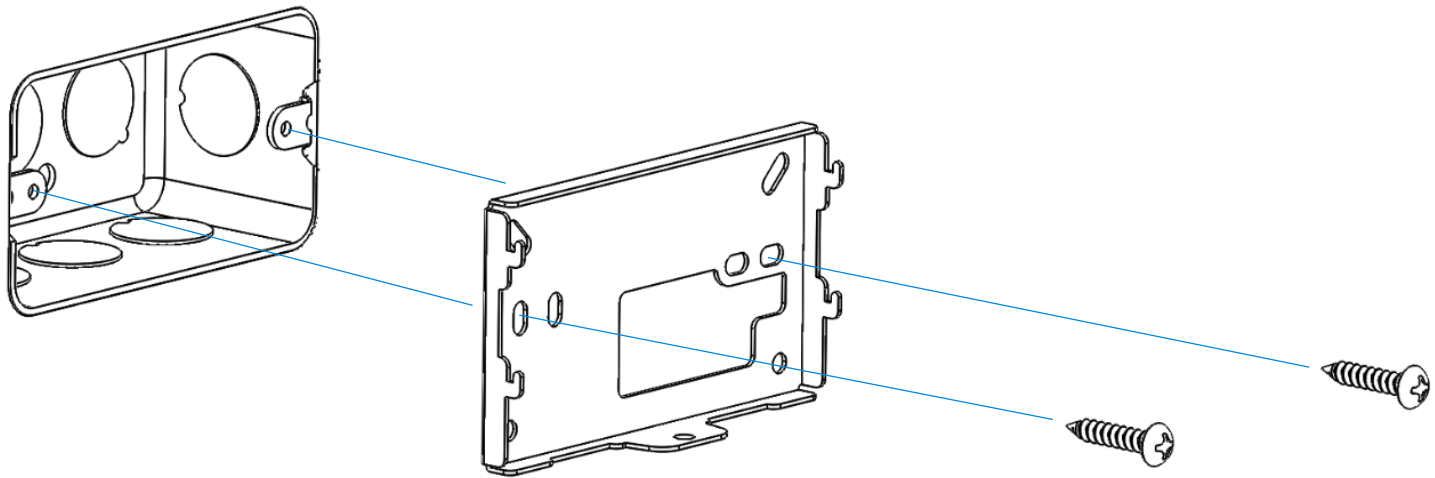# Delta Part No.: 3994041800

The Wall Mount Frame and Cover for China 86 or 2-Gang Junction Boxes (Compatible with US, EU, & TW Junction box)
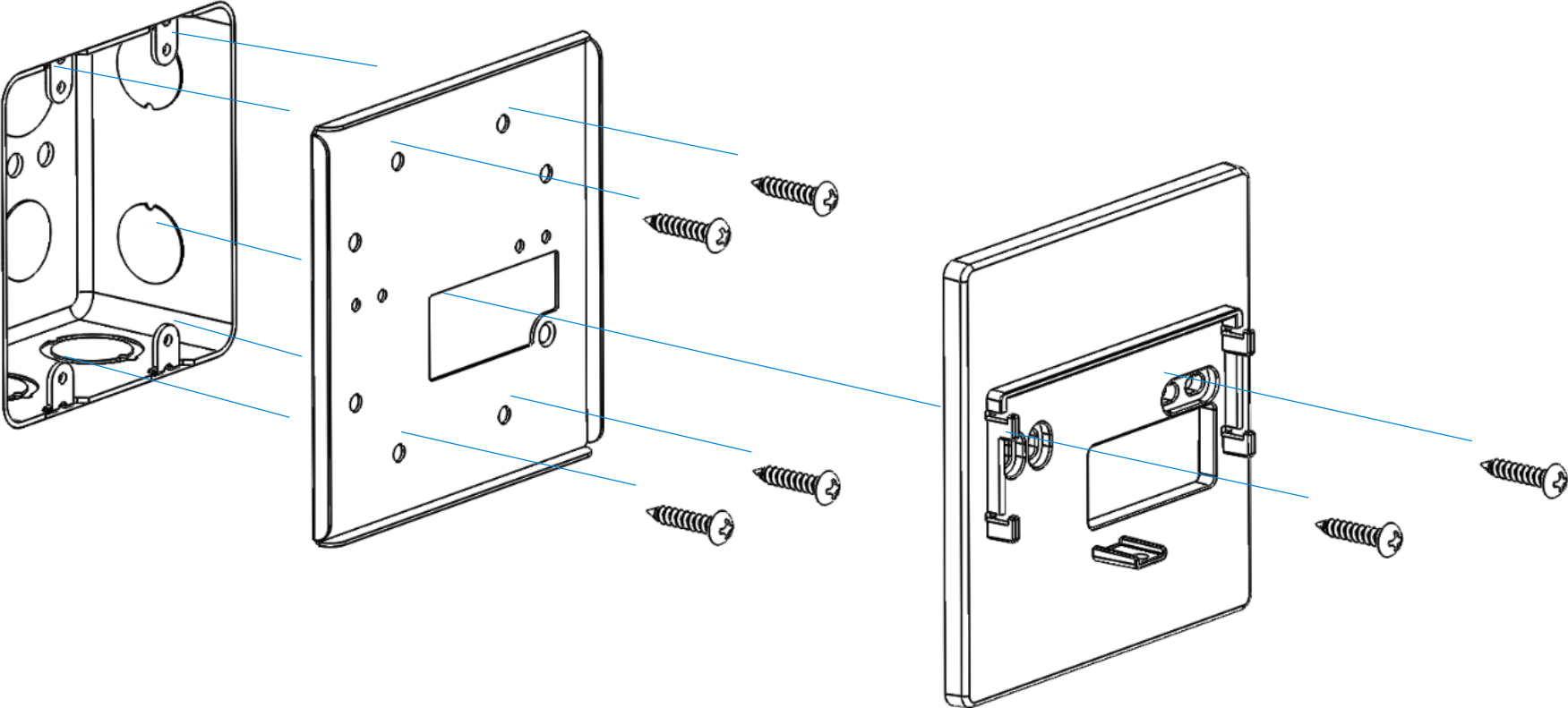
Delta Part No.: 3994041800

Step 1.1
Install small Wall Mount frame with 1 Gang Embedded Junction Box
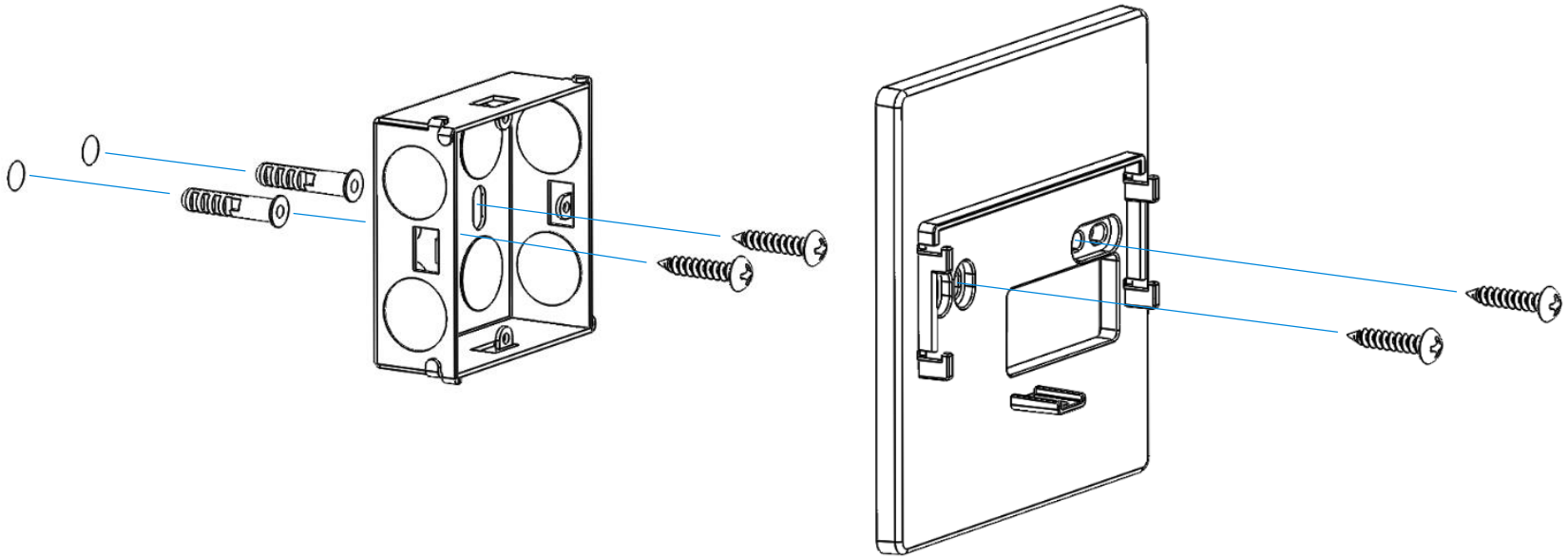
Step 1.2
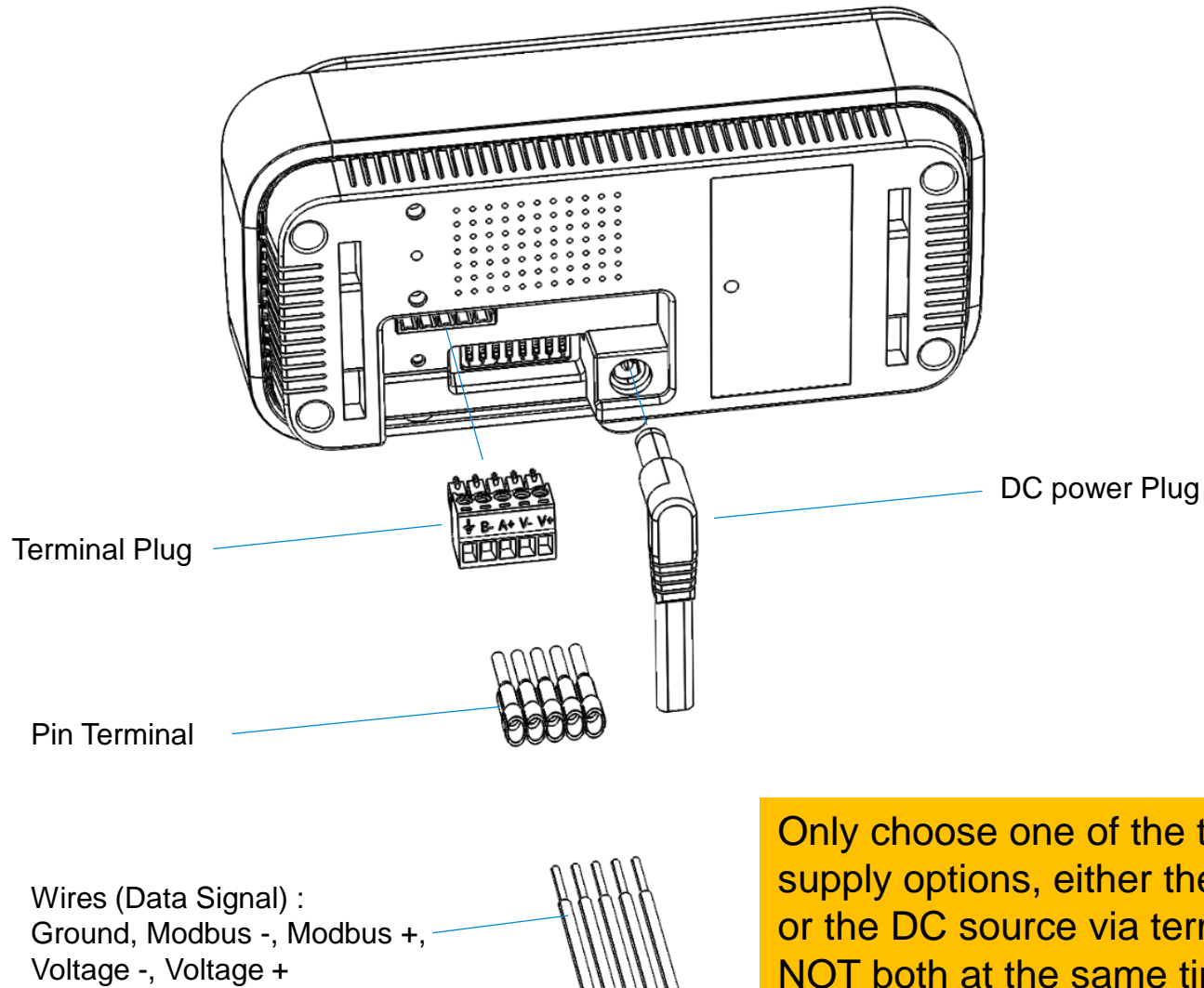## Install large Wall Mount Kit with 2 Gang Embedded Junction Box

Step 1.3
Install large Wall Mount cover with Junction Box Installation

Step 2 (for UNOlite)
Insert wire cables to terminal plug

DC power Plug

Terminal Plug

Pin Terminal

Wires (Data Signal) :
Ground, Modbus -, Modbus +,
Voltage -, Voltage +

Only choose one of the two power supply options, either the DC adapter or the DC source via terminal plug, but NOT both at the same time.

Step 2 (for UNOnext)
Insert wire cables to terminal plug
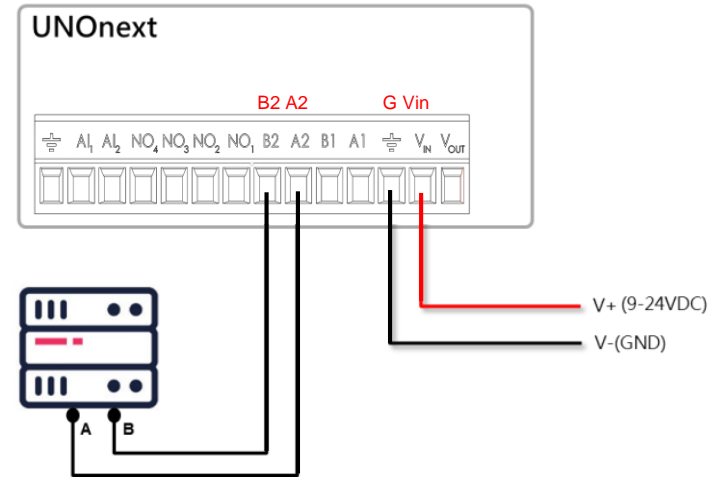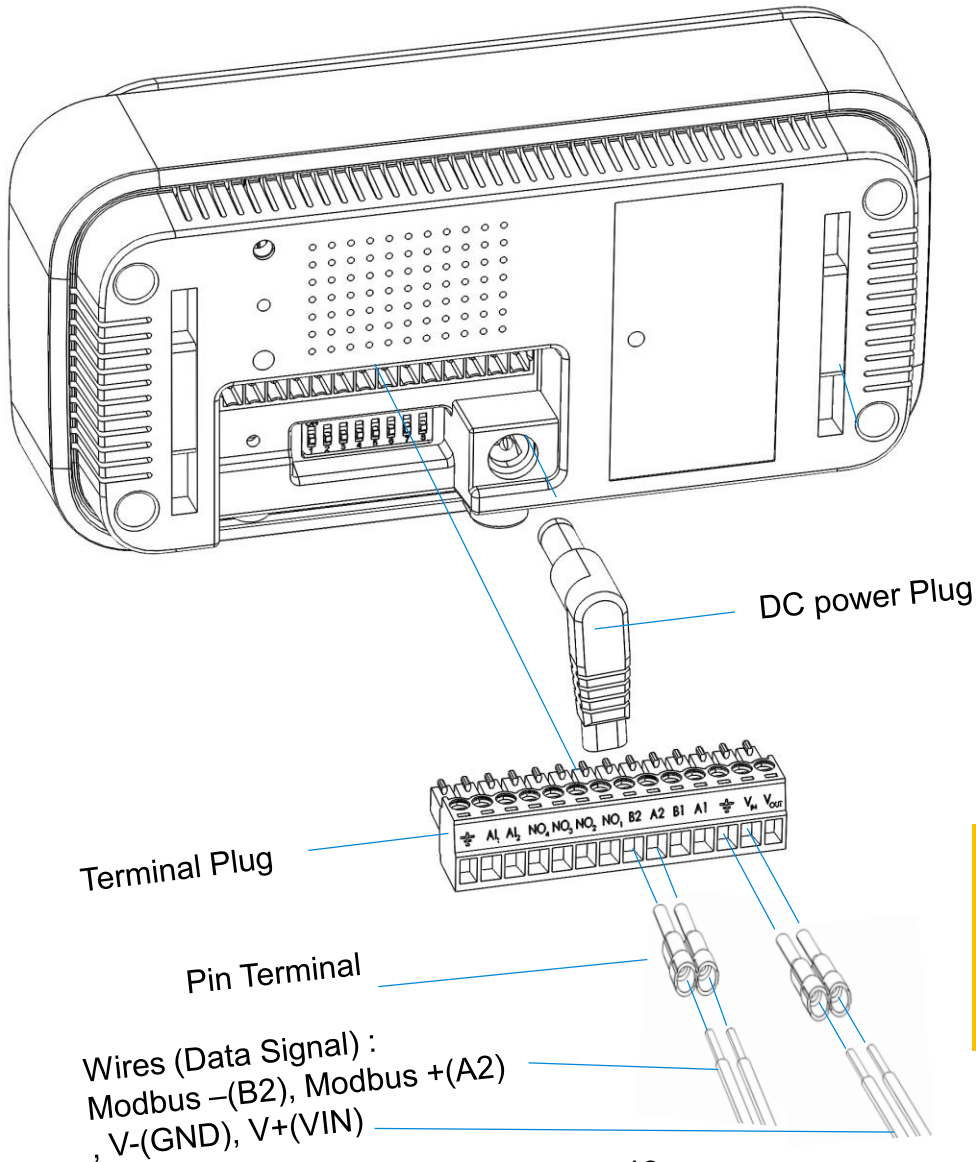
DC power Plug

Terminal Plug

Pin Terminal

Wires (Data Signal) :
Modbus –(B2), Modbus +(A2)
, V-(GND), V+(VIN)

UNOnext

B2 A2   G Vin

A_1 AI_2 NO_4 NO_3 NO_2 NO_1 B2 A2 B1 A1 V_{IN} V_{OUT}

V+ (9-24VDC)
V-(GND)

A B

Only choose one of the two power supply options, either the DC adapter or the DC source via terminal plug, but NOT both at the same time.
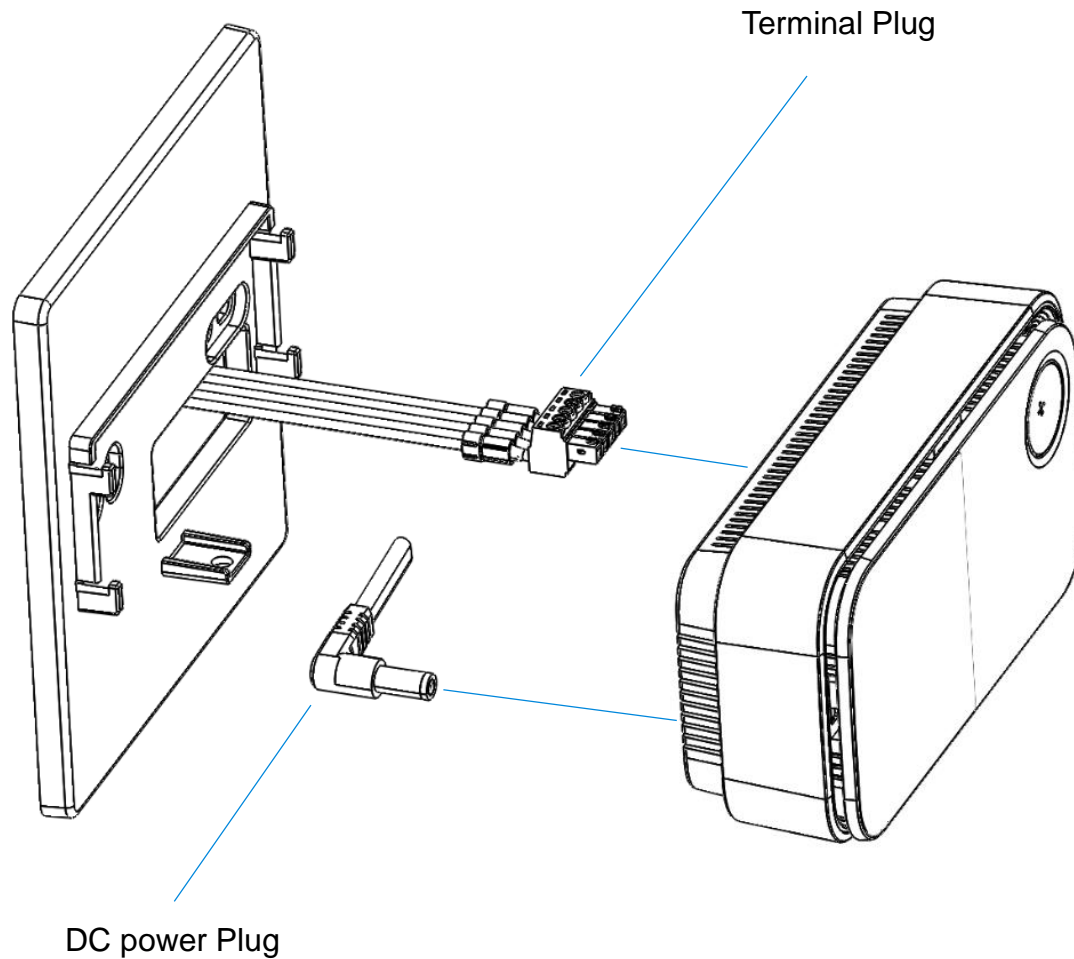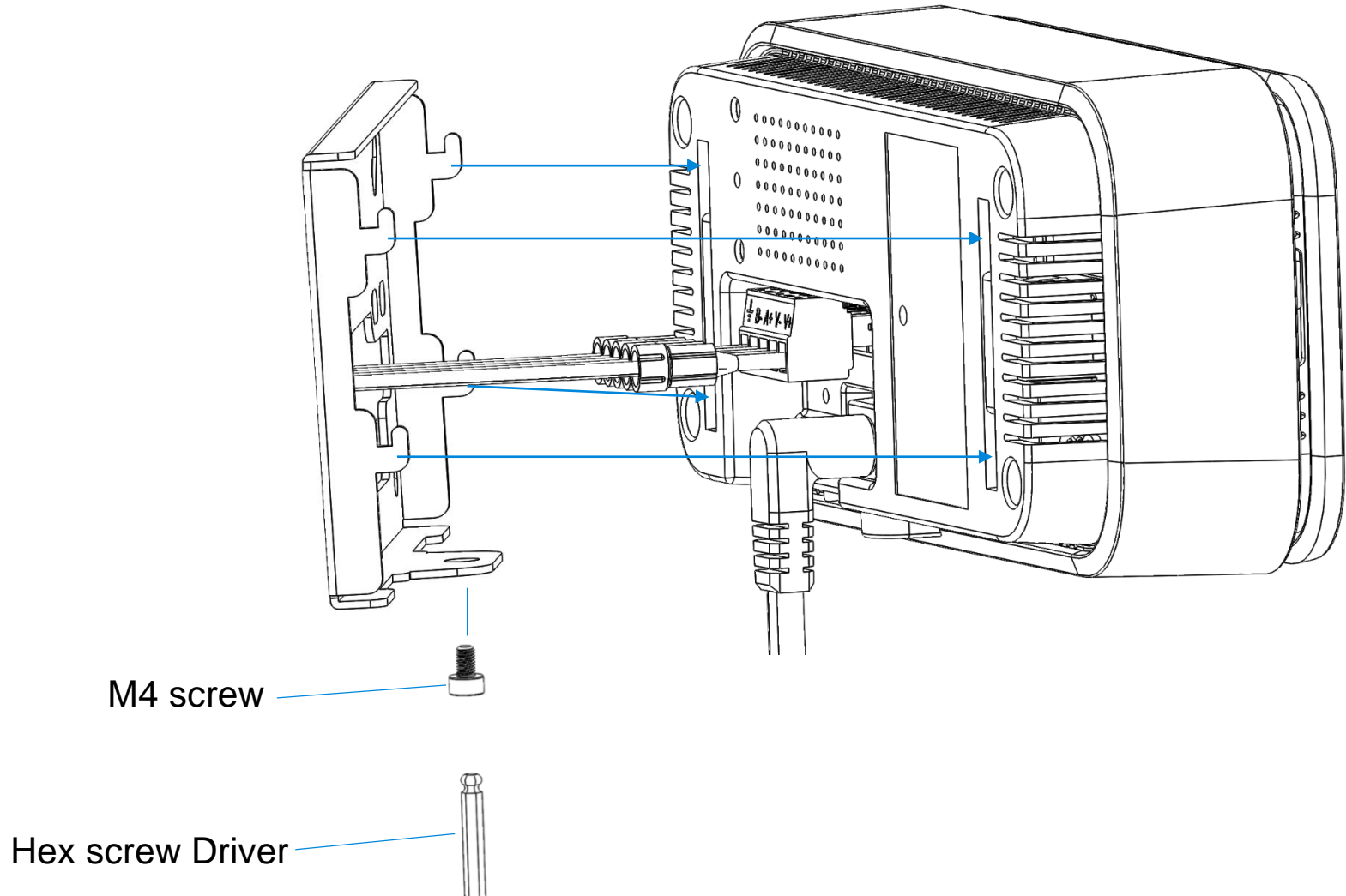
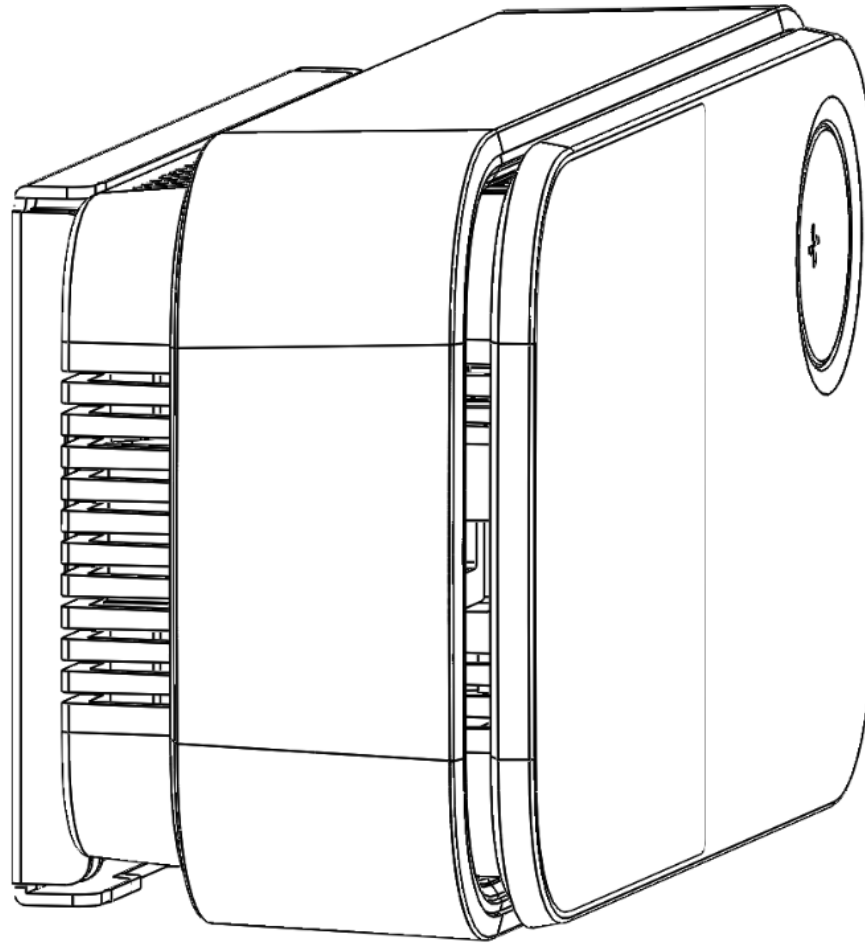# Step 3
Insert terminal plug and DC power plug to UNOlite

Terminal Plug

DC power Plug

Step 4
Mount UNOlite on four buckles of Wall Mount
Fix UNOlite with M4 screw by Hex screw driver

M4 screw

Hex screw Driver

Finished Installation

Installation Guide for UNO IAQ Sensor

Step 1: Determine Installation Height

The optimal installation height for the product is between 0.8 to 1.5 meters (2.56 to 4.8 feet) from the ground.

Step 2: Choose Installation Method

Option A: Wall Mount Installation

      Utilize the wall mount provided in the package.

      The wall mount is designed with screw hole spacing (60mm and 84mm) compatible with power boxes in various countries.

      Ensure the power box is horizontally installed, following the configuration depicted in Figure 1.

Option B: Power Box Installation

      Alternatively, install the product in a power box.

Step 3: Arrange Power and Data Lines

Before proceeding with installation, ensure that power supply and data lines are laid out as per the specifications.

Step 4: Mount the Product

Follow these steps:

      Refer to Figure 2 for guidance.

      Attach and secure the wall mount, confirming all four buckles are properly affixed.

Step 5: Secure Installation

Proceed as follows:

      Refer to Figure 3.

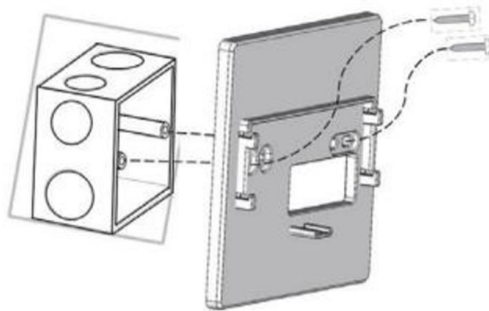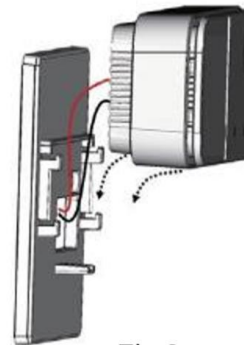   Use an M4 hex socket screws along with a hexagonal screwdriver to fasten the product securely in place.

Fig 1.

Fig 2.

Fig 3.

Smarter. Greener. Together.