

Vayyar Home™

Dry Contact Installation Guide

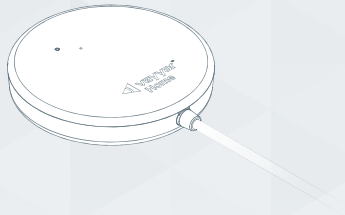


Proprietary Data

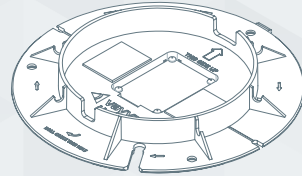
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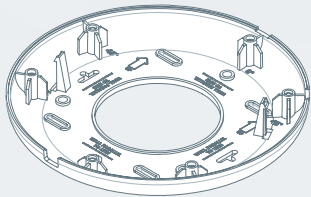
What's included:



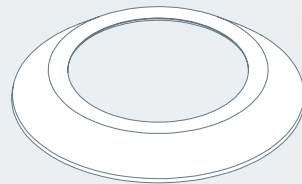
► **Sensor**



► **Chassis with adhesive strips**



► **Back cover**



► **Front cover**



► **3 x self-tapping screws**

Note: Recommended that the installation be done by a professional installer. Always abide by local regulations.

You'll also need:



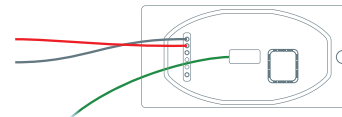
► **Pencil**

► **Wire stripper**



► **Wall plugs & screws**

► **12/24 VDC Power Supply**



► **Transmitter and cables**

► **Precision screwdriver**

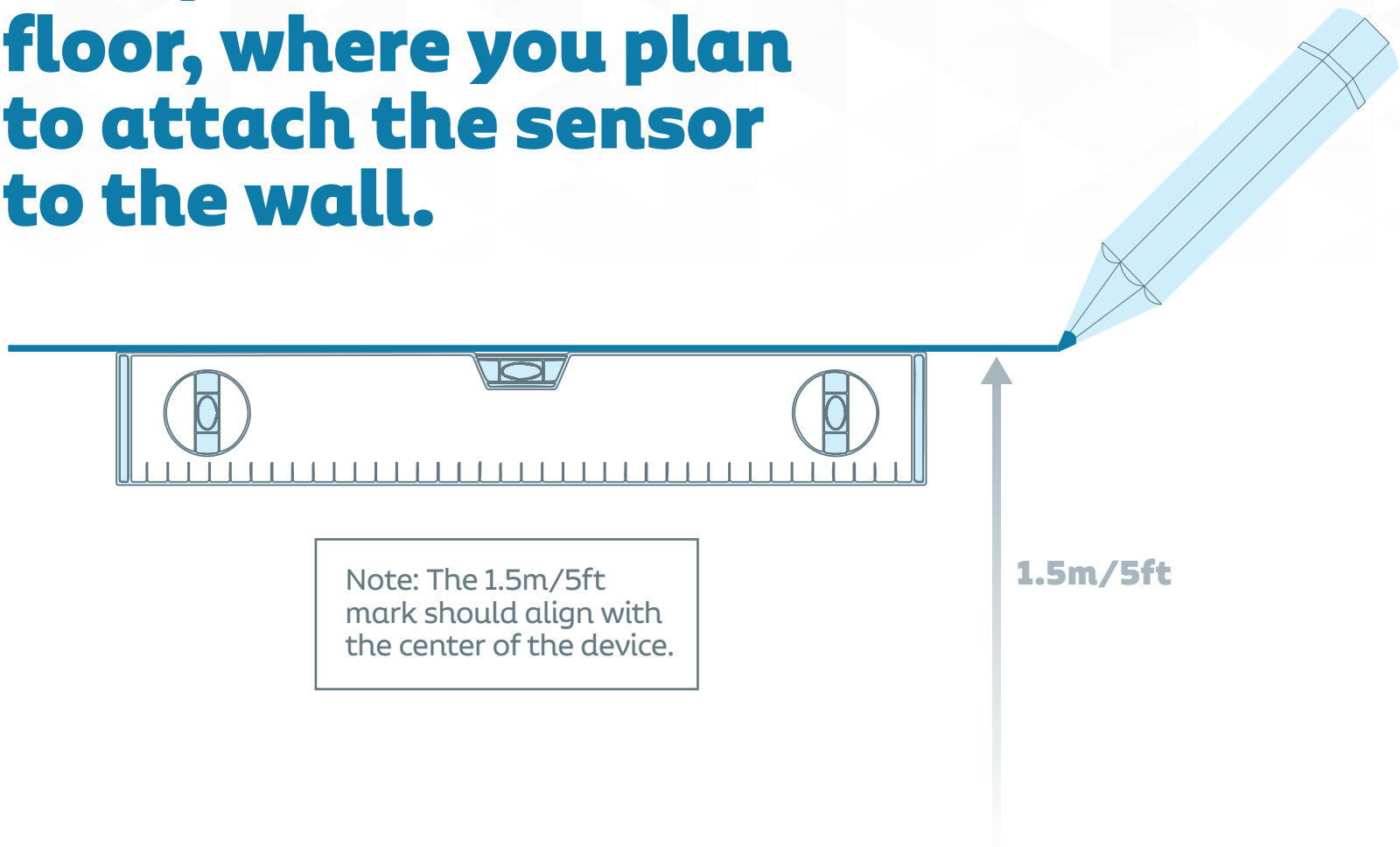


In-wall installation



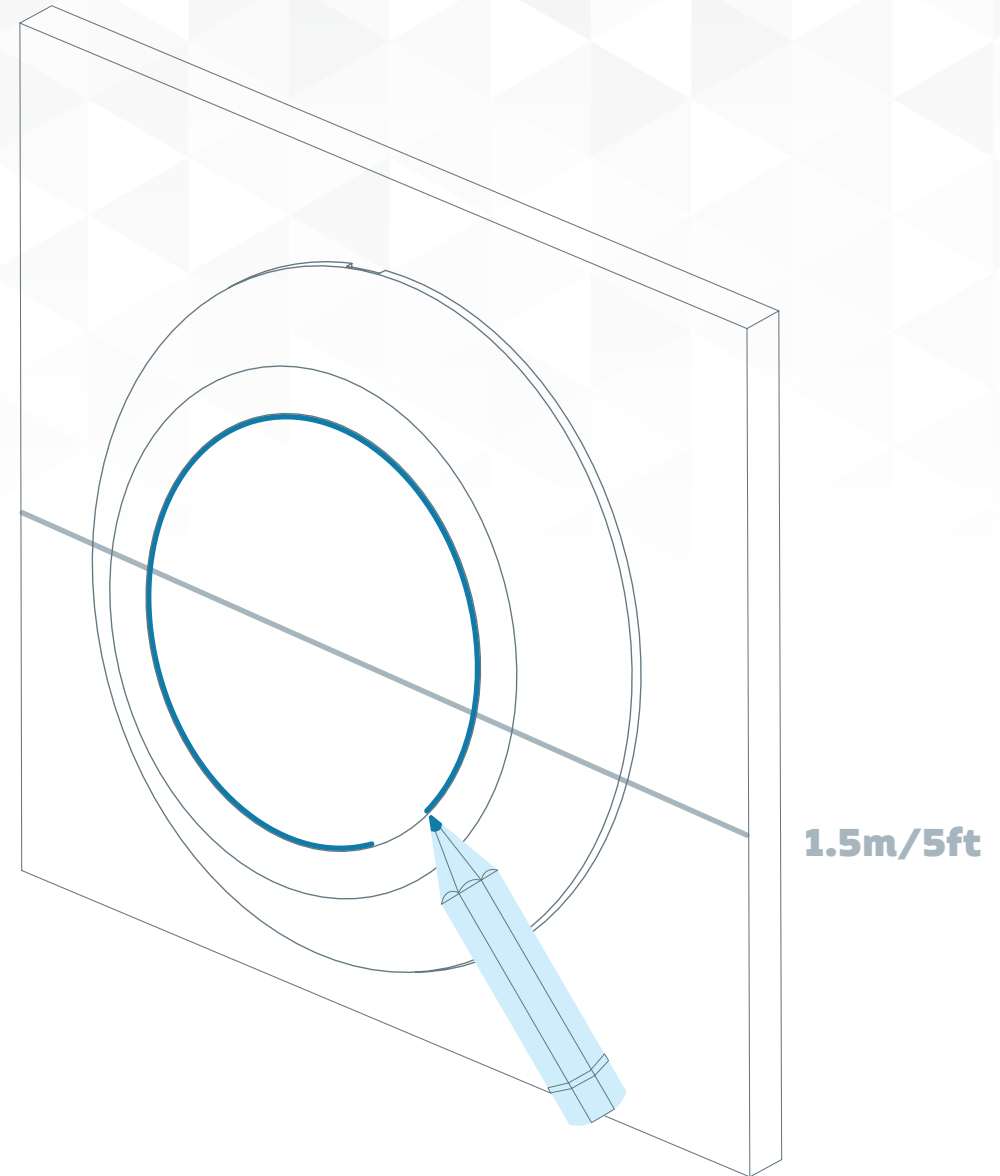
1

Mark a line on the wall, measured 1.5m/5ft from the floor, where you plan to attach the sensor to the wall.



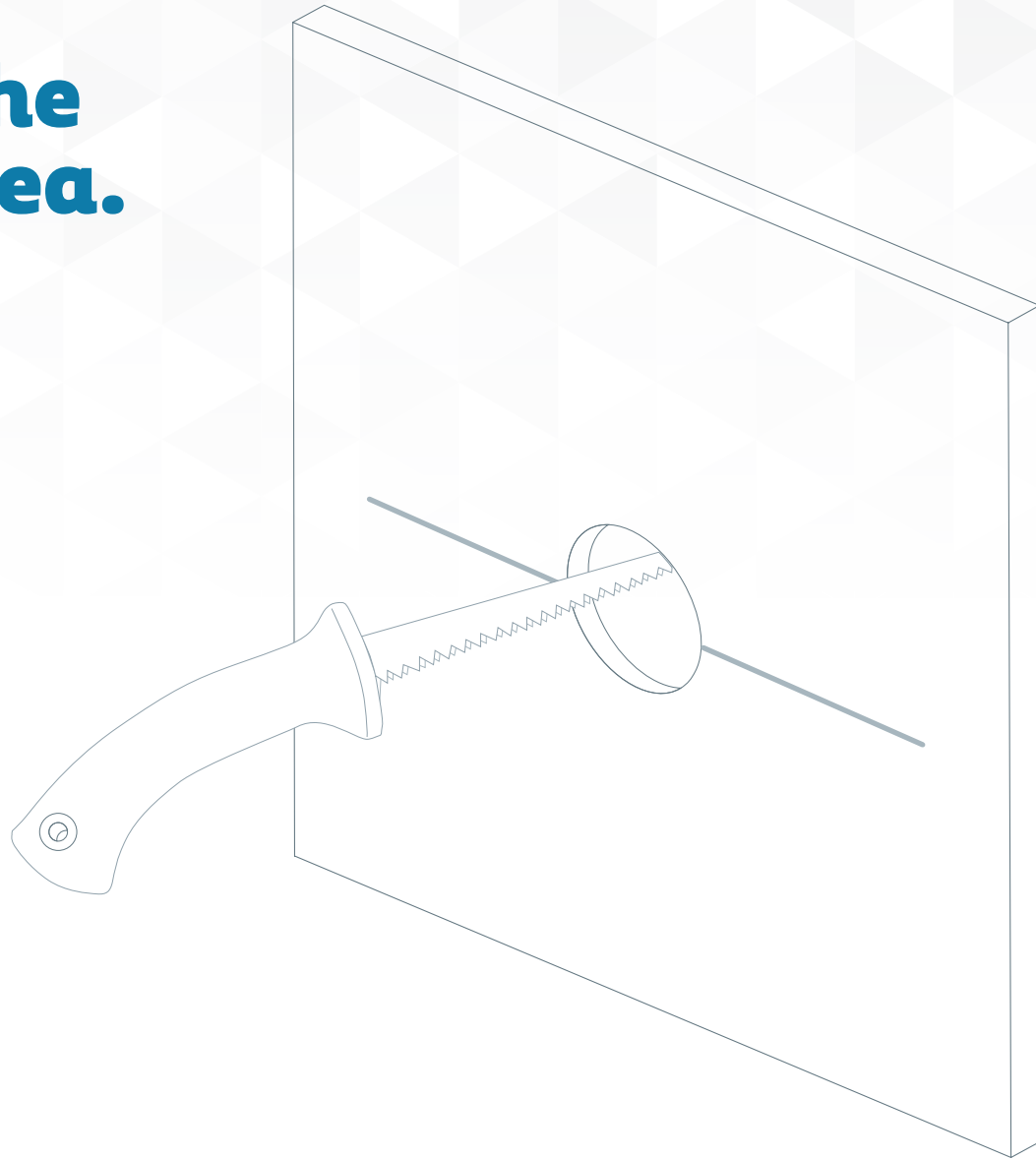
2

Using the front cover as a template, draw a circle with the line going through the center.



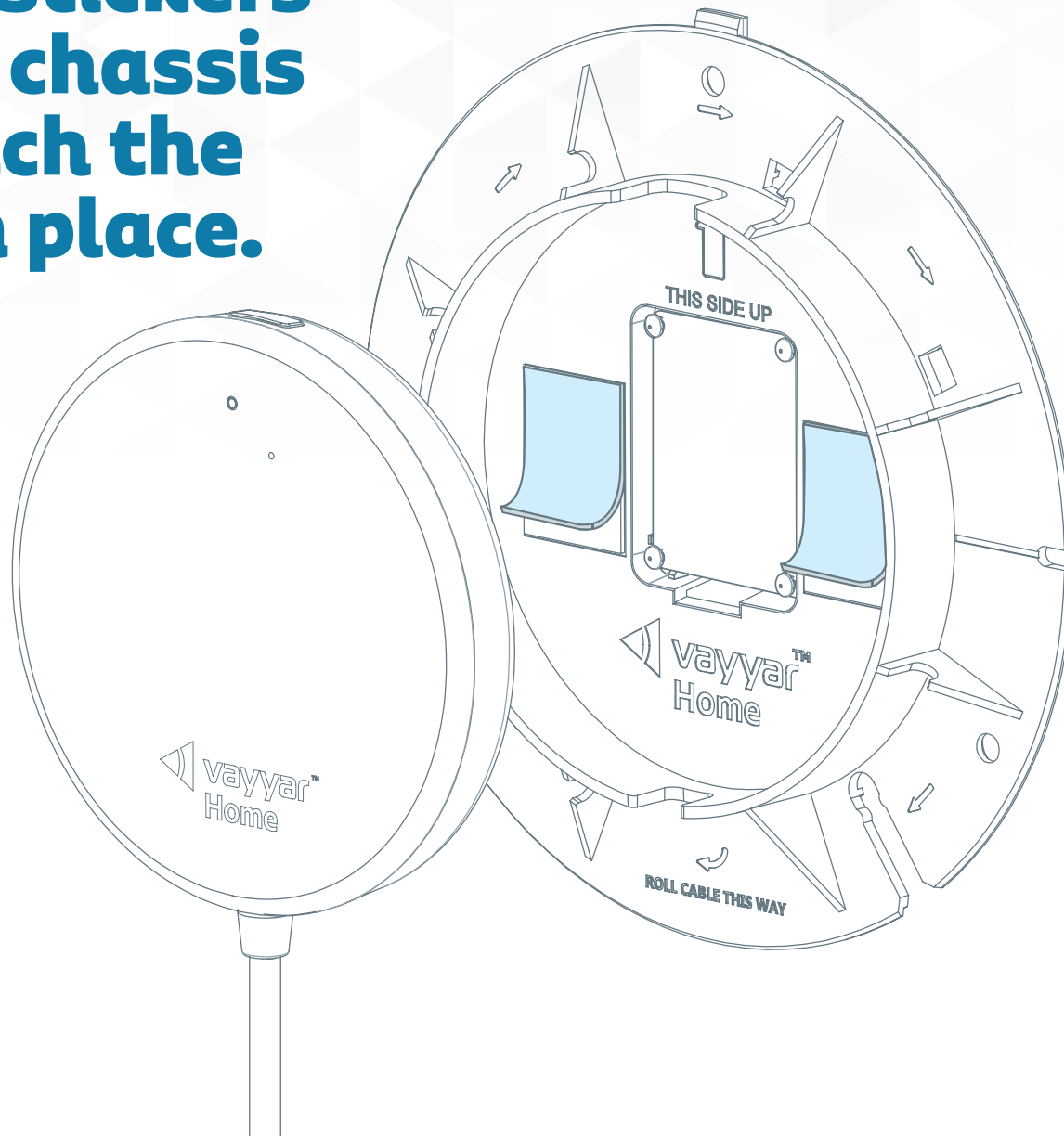
3

**Cut out the
circled area.**



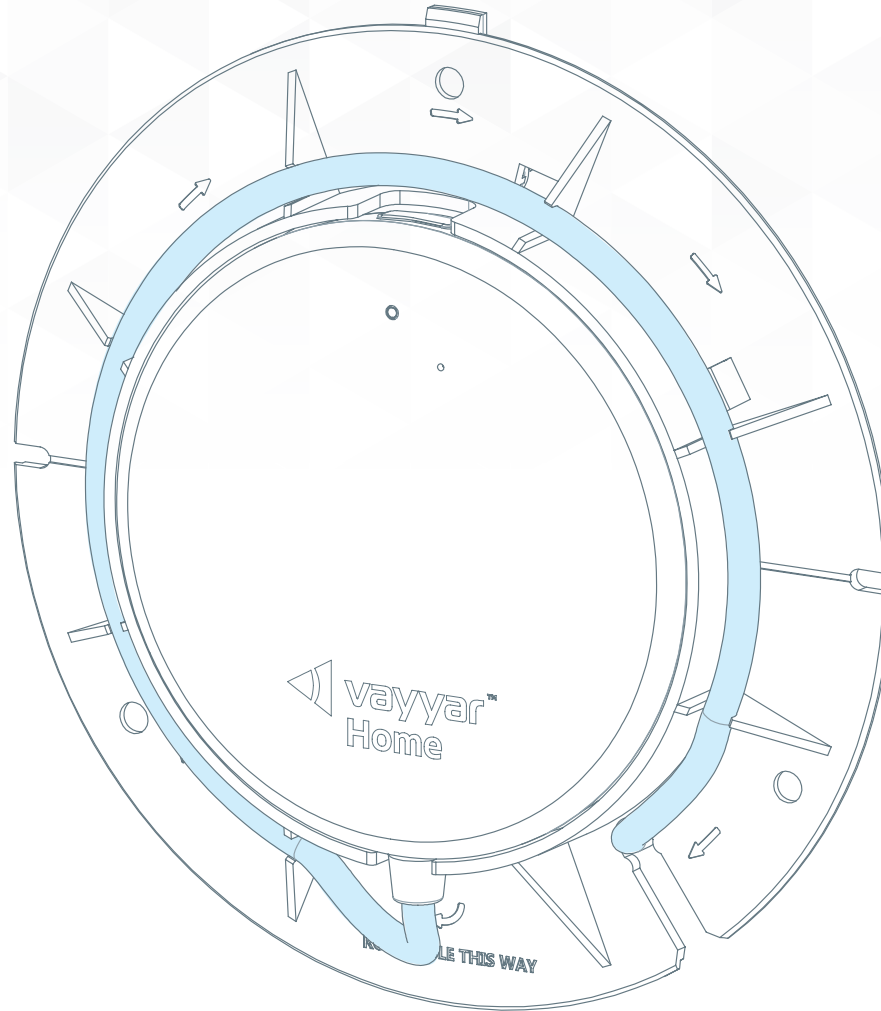
4

Peel the stickers from the chassis and attach the sensor in place.



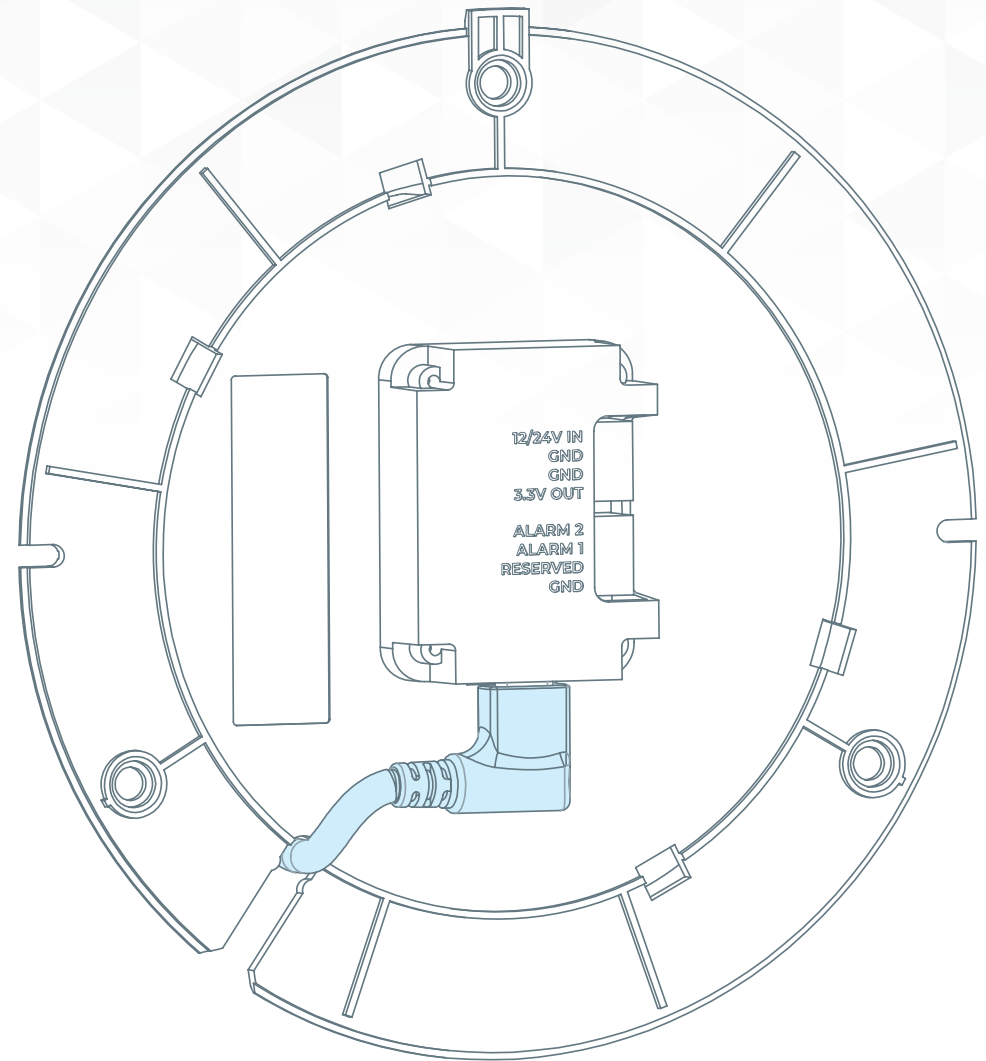
5

**Wrap the cable
over the ribs
and into the
slot.**



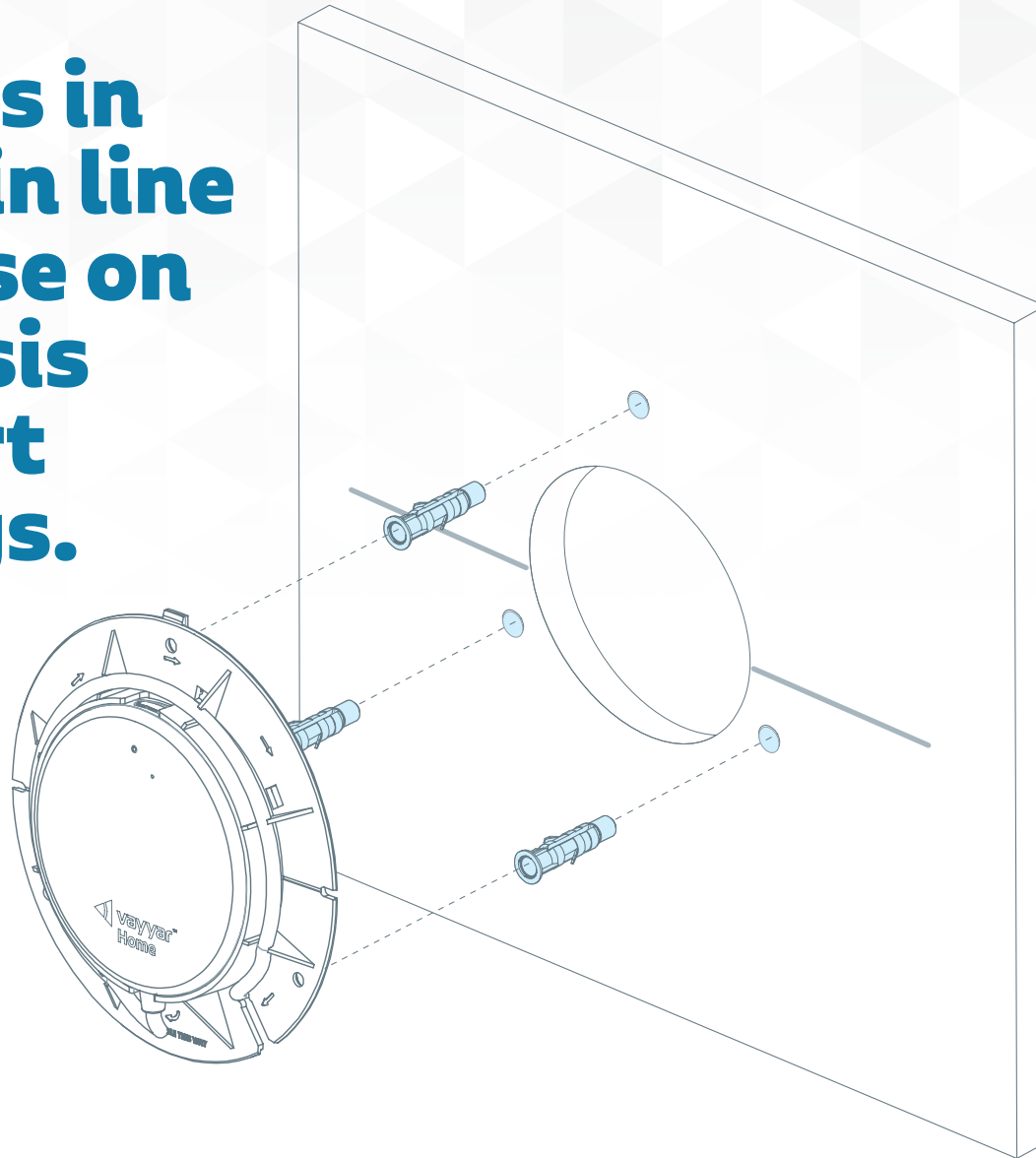
6

Insert the Type-C USB Connector to the bottom of the board on the back of the Chassis.



7

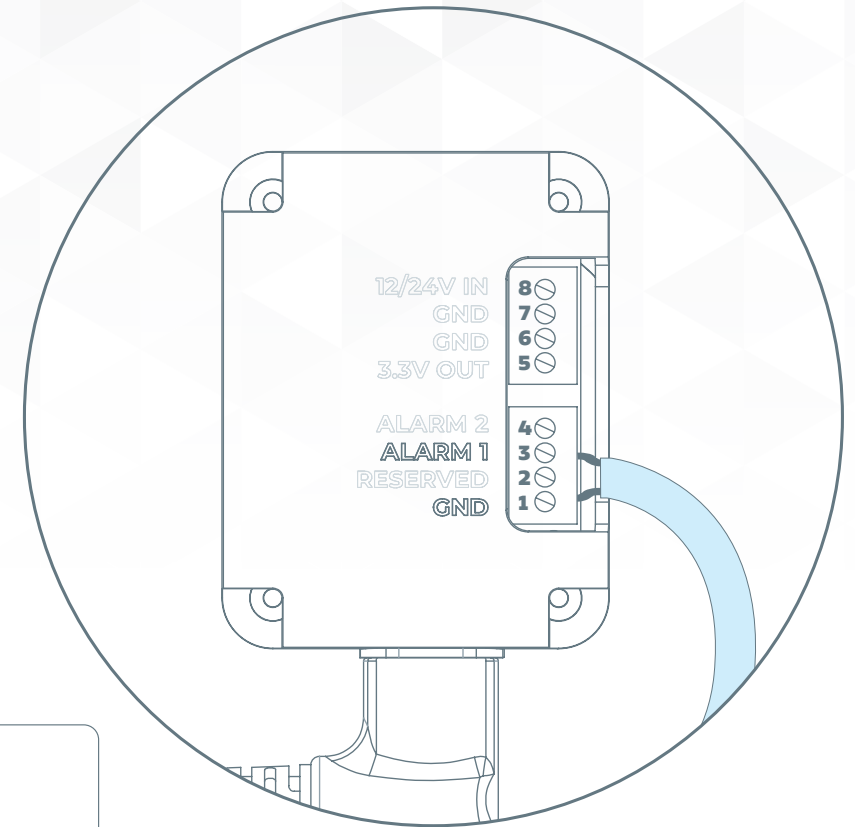
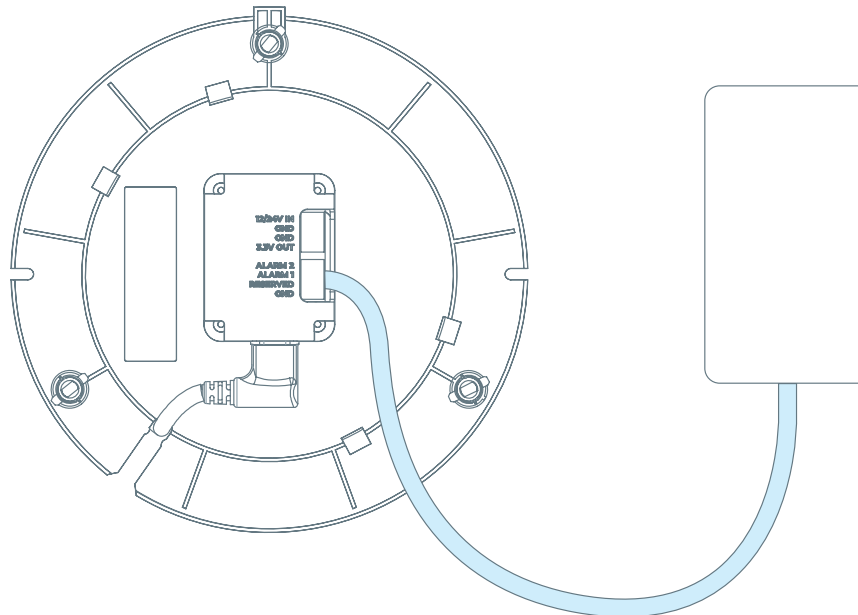
Drill holes in the wall in line with those on the chassis and insert wall plugs.



8

Connect the dry contact alarm from the transmitter* to the Vayyar Home dry contact board.

*Transmitter not supplied by Vayyar

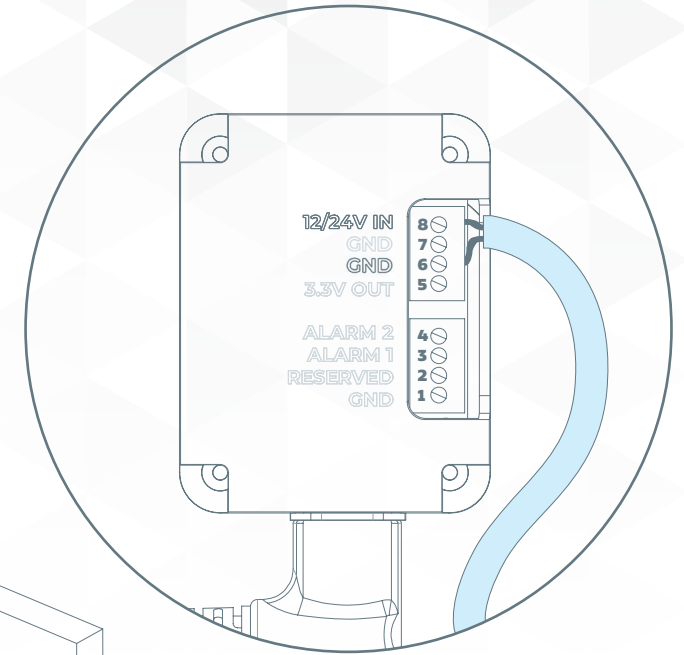
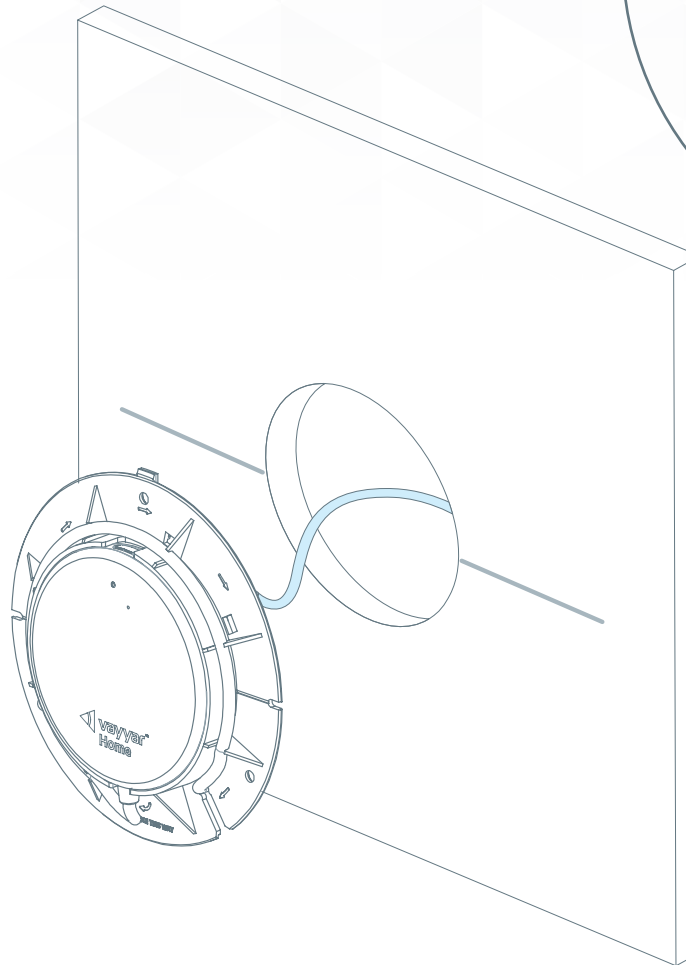


The transmitter cables should be connected to the bottom first (GND) and third (ALARM 1) locations on the board. Do not attach the cables at locations directly next to each other.

9

Connect the sensor to the electrical supply*.

*Note: It is important to connect the transmitter before connecting the electrical supply.



The electrical cables should be connected to the bottom eighth (12/24V IN) and sixth (GND) locations on the board. Do not attach the cables at locations directly next to each other.

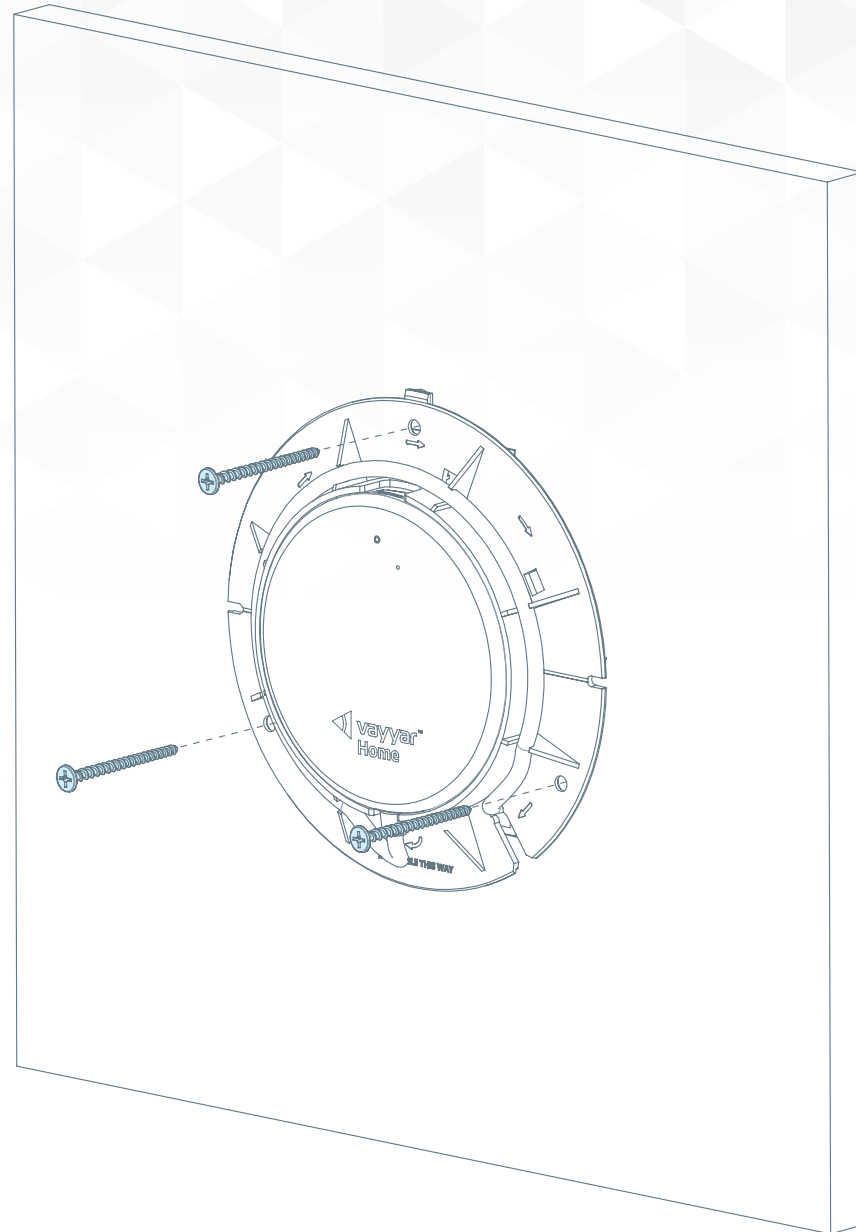
10

Test the device, before completing wall installation:

- ▶ If your device is pre-provisioned, make sure the device is powered ON and you see a white light from the LED
- ▶ If your device is NOT pre-provisioned, please reference the provisioning instructions provided by the Vayyar Home Customer Success team
- ▶ Once pairing is complete & power is confirmed, simulate the dry contact is working by pressing the power button for 2-seconds

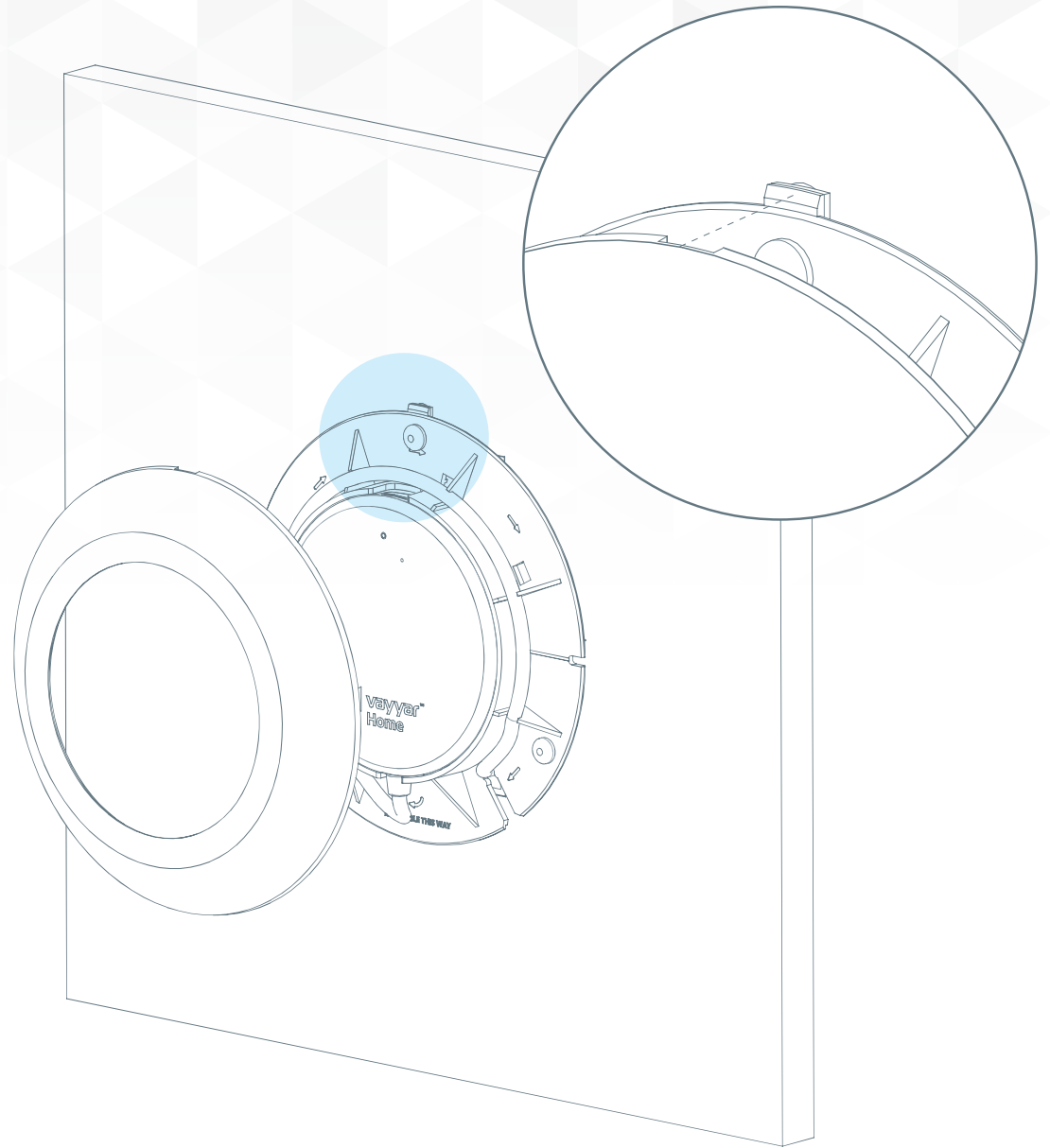
11

Attach the chassis to the wall with screws.



12

Attach the front cover to the chassis and align as shown, until it snaps into place.





**Assembly is
complete.**



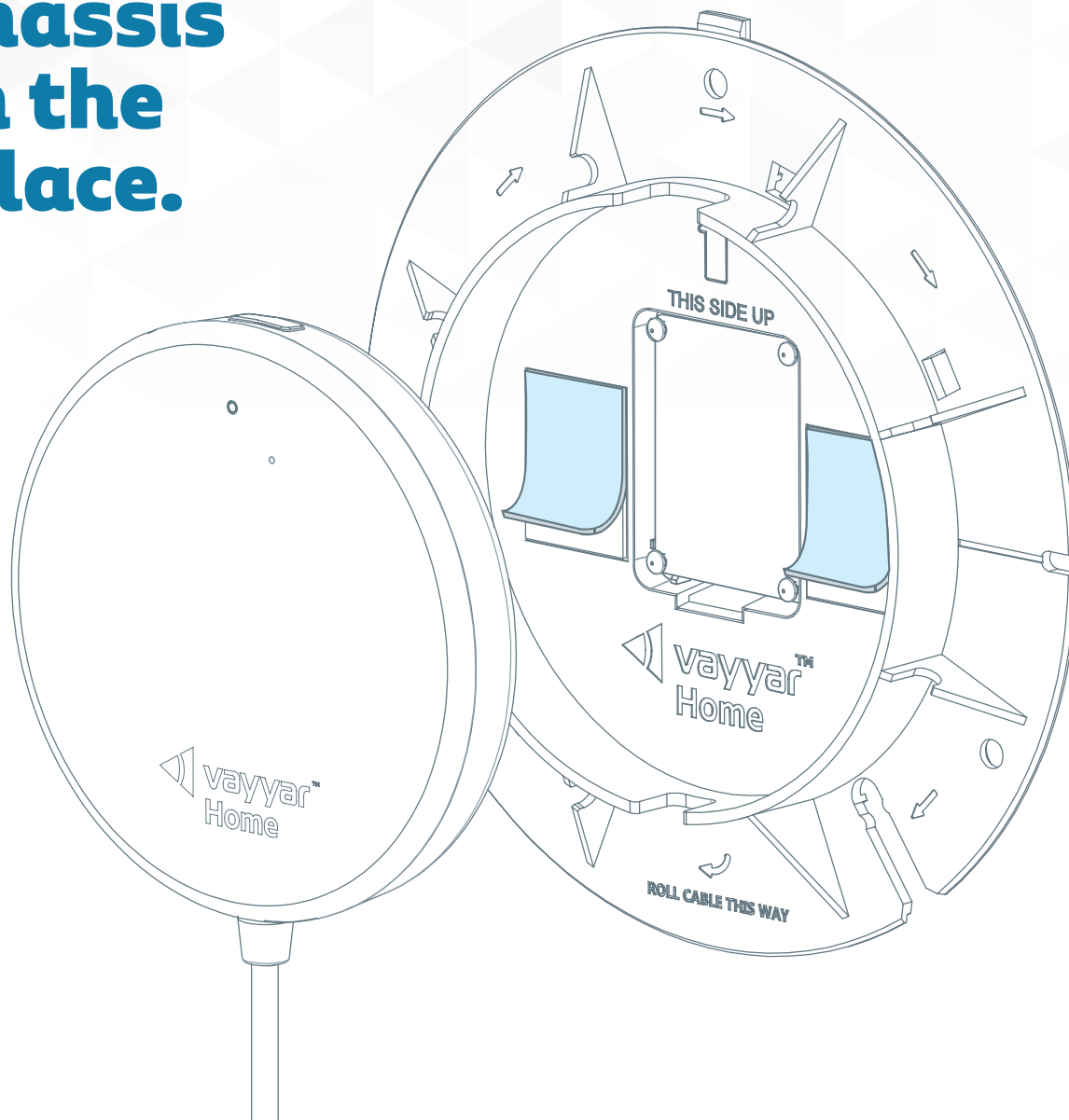


On-wall installation



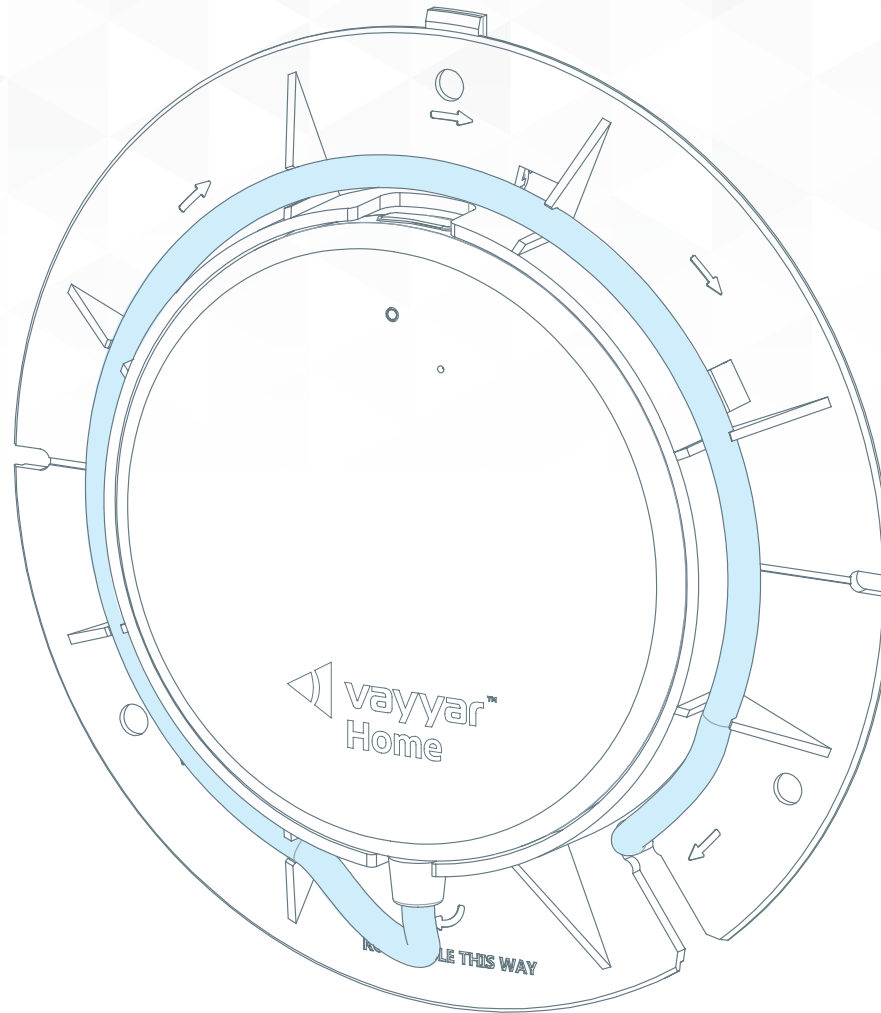
1

**Peel the stickers
from the chassis
and attach the
sensor in place.**



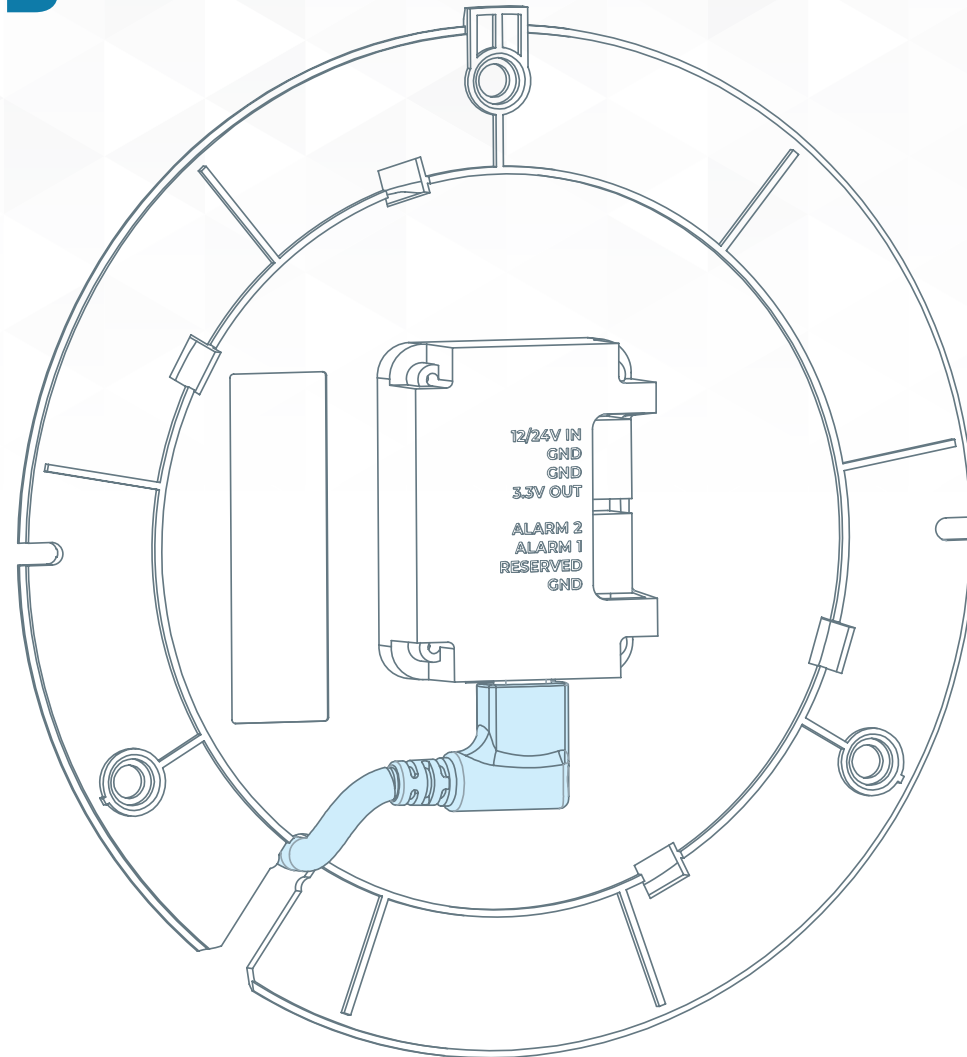
2

**Wrap the cable
over the ribs
and into the
crease.**



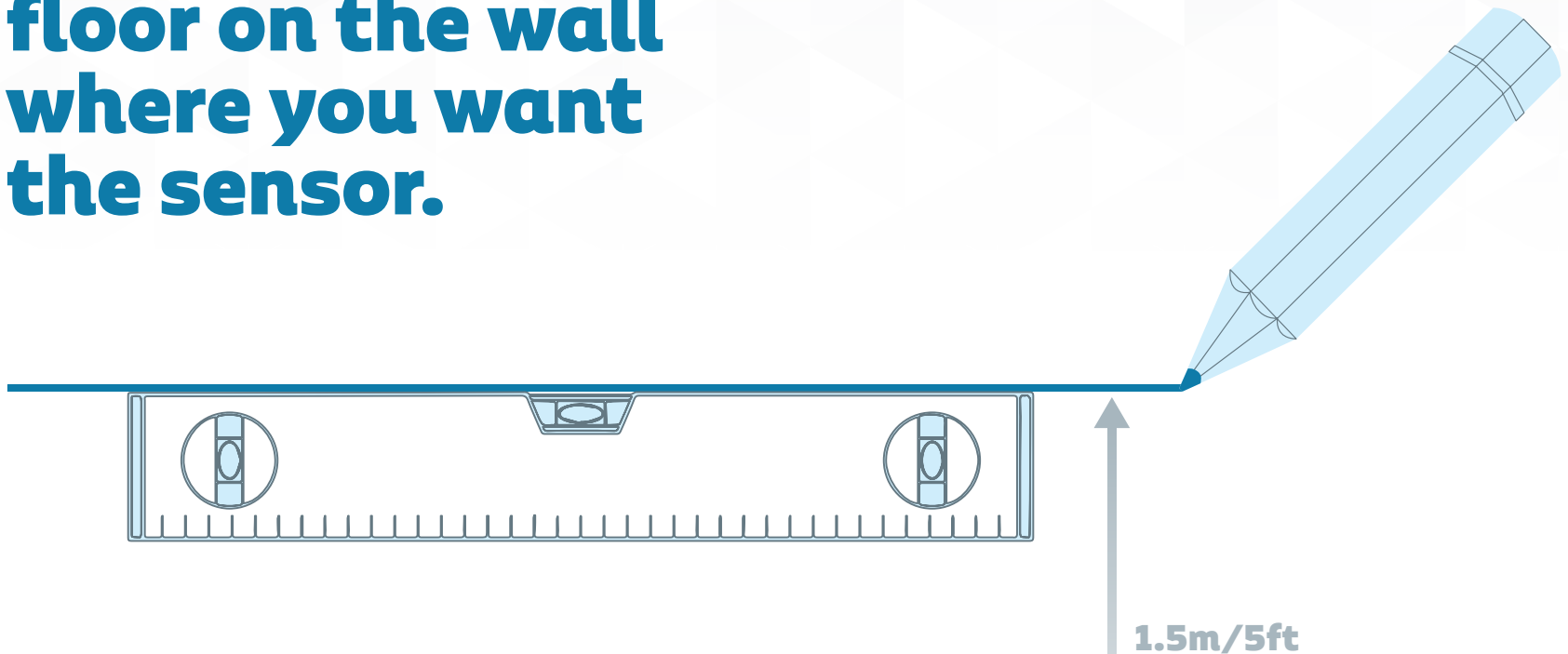
3

**Insert the USB
connector.**



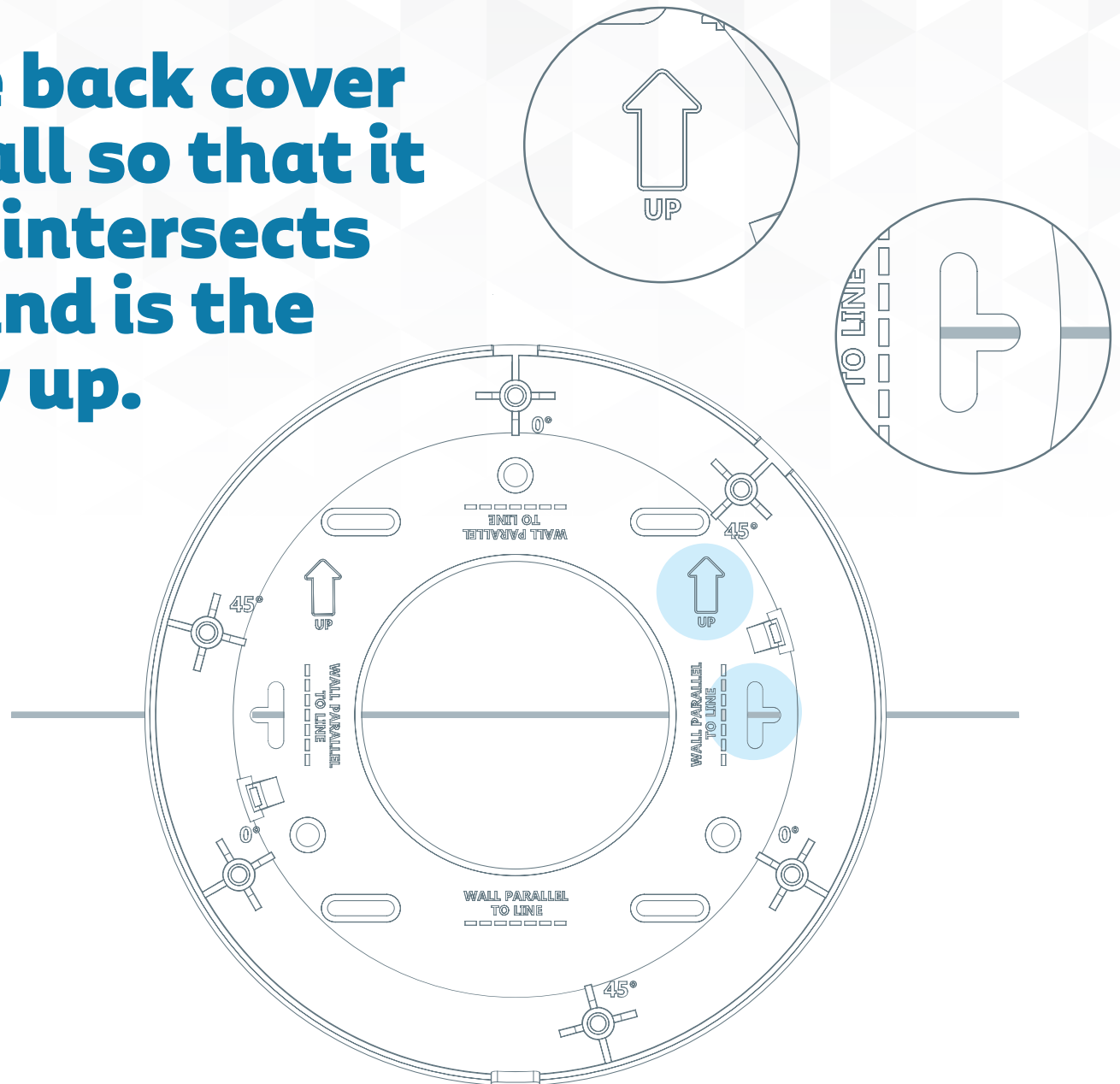
4

With a spirit level, mark a line 1.5m/5ft from the floor on the wall where you want the sensor.



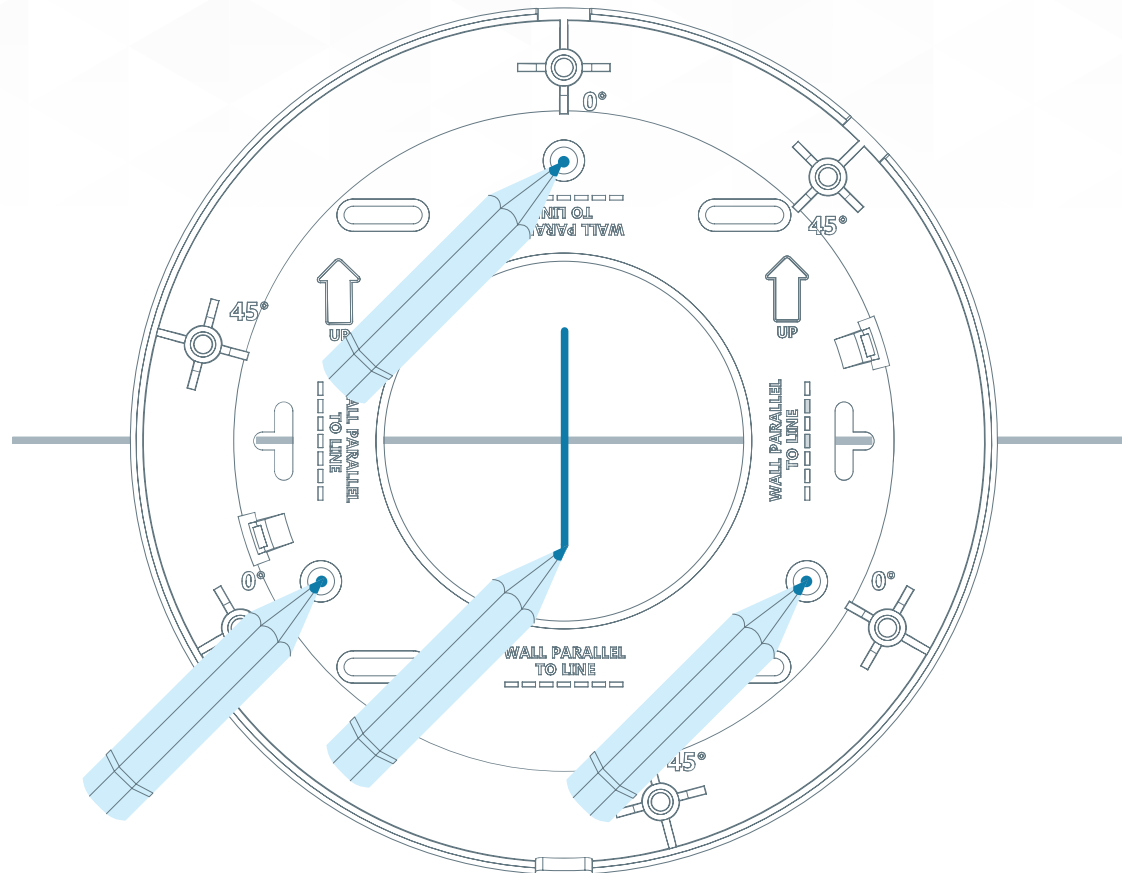
5

Place the back cover on the wall so that it correctly intersects the line and is the right way up.



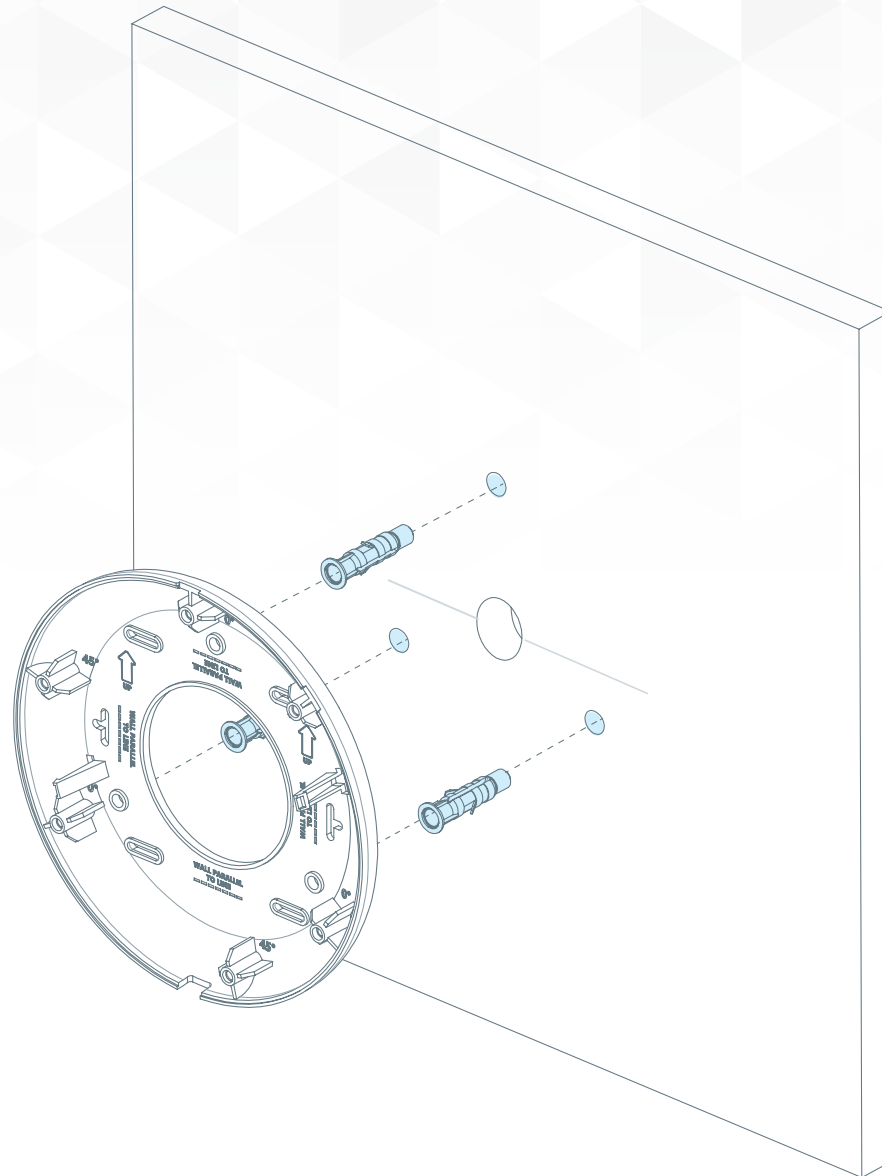
6

Mark drill-hole positions on the wall, including one in the middle for the cable.



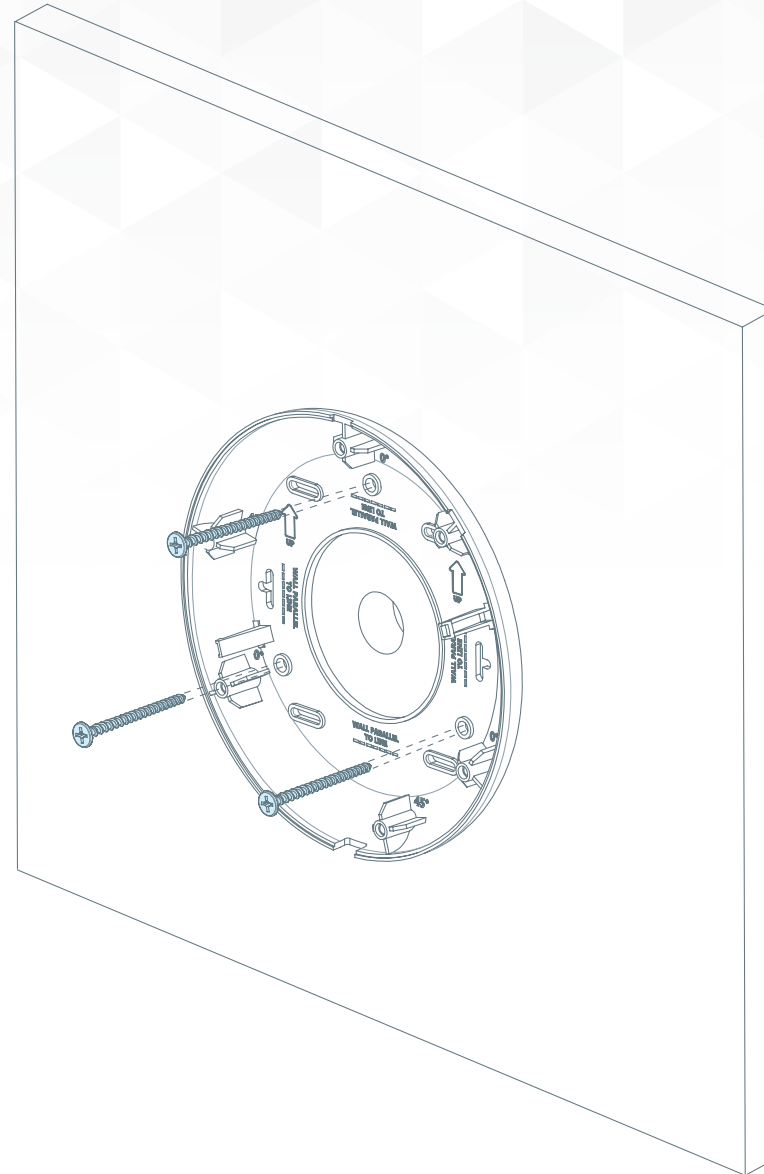
7

**Drill and
insert wall
plugs in line
with the holes
in the back
cover.**



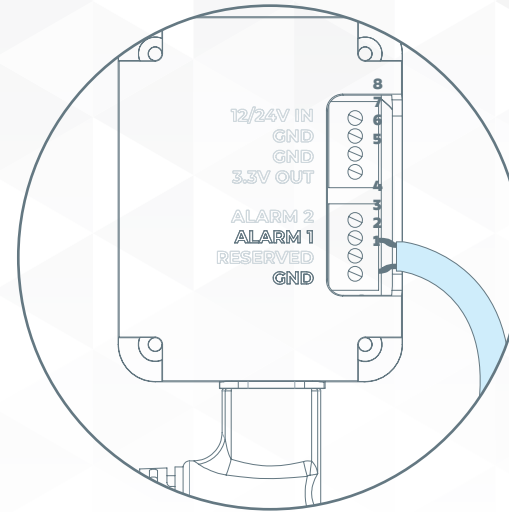
8

Attach the back cover to the wall with screws.



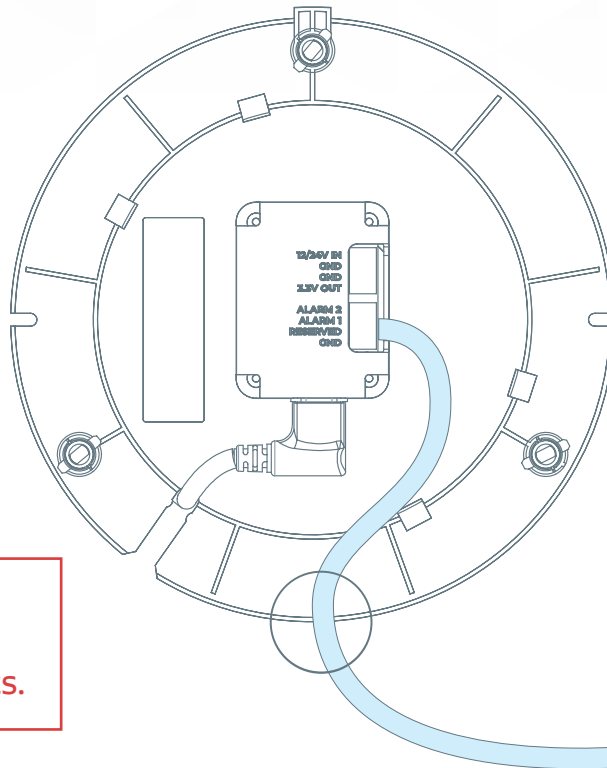
9

(Optional) Connect a dry contact alarm to the sensor.

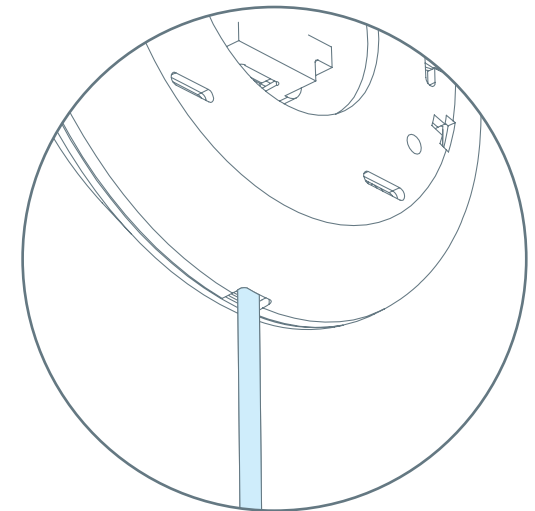
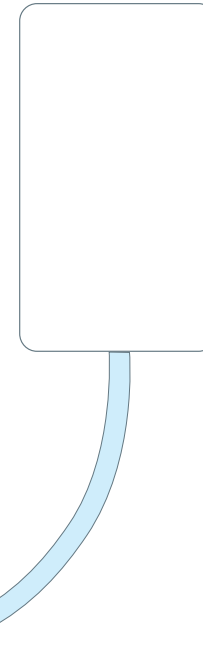


Pass the cable through the bottom-center of the device, there should be a specific opening in the back cover for the cable in this location (see illustration).

The transmitter cables should be connected to the bottom first (GND) and third (ALARM 1) locations on the board. Do not attach the cables at locations directly next to each other.

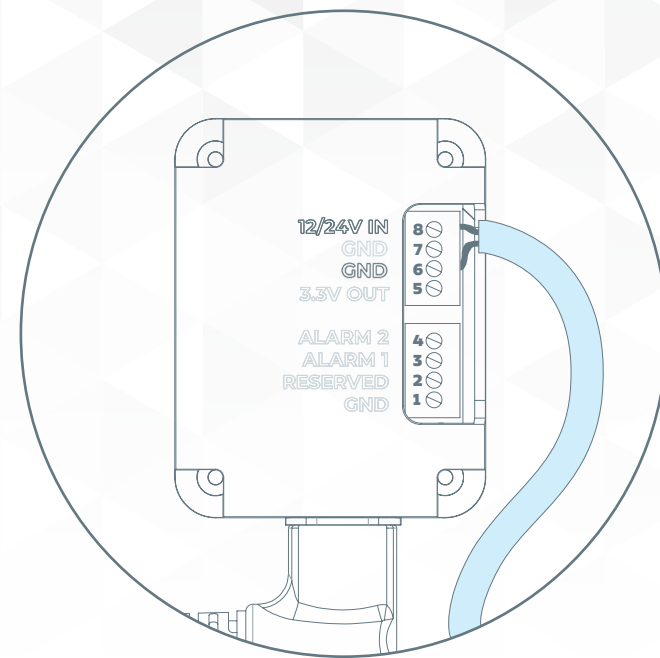
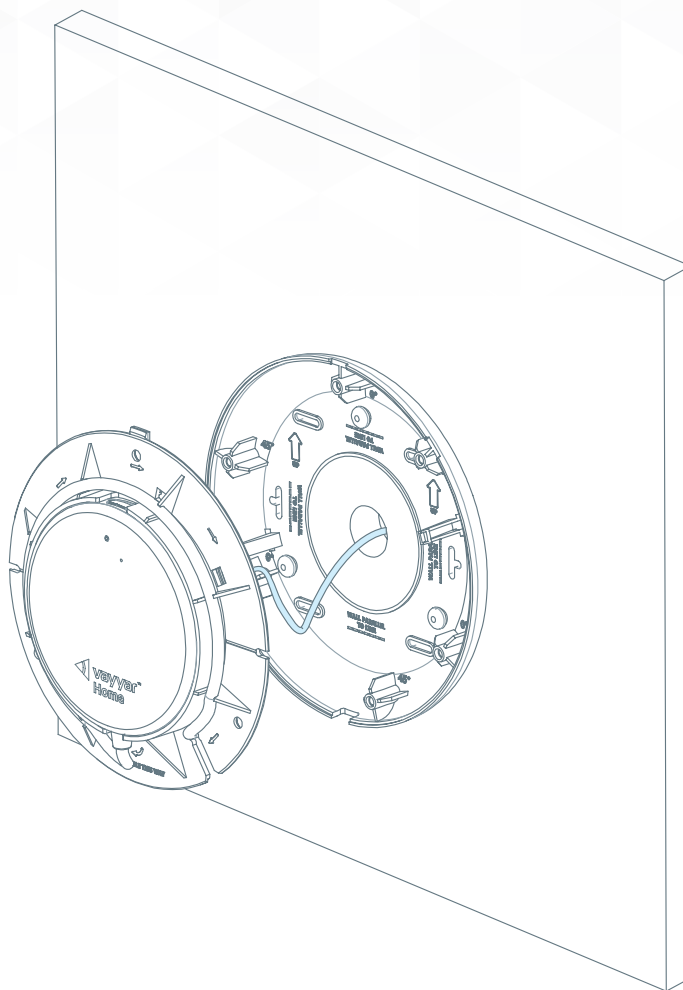


Note: Make sure the voltage reaching the system is under 5 volts.



10

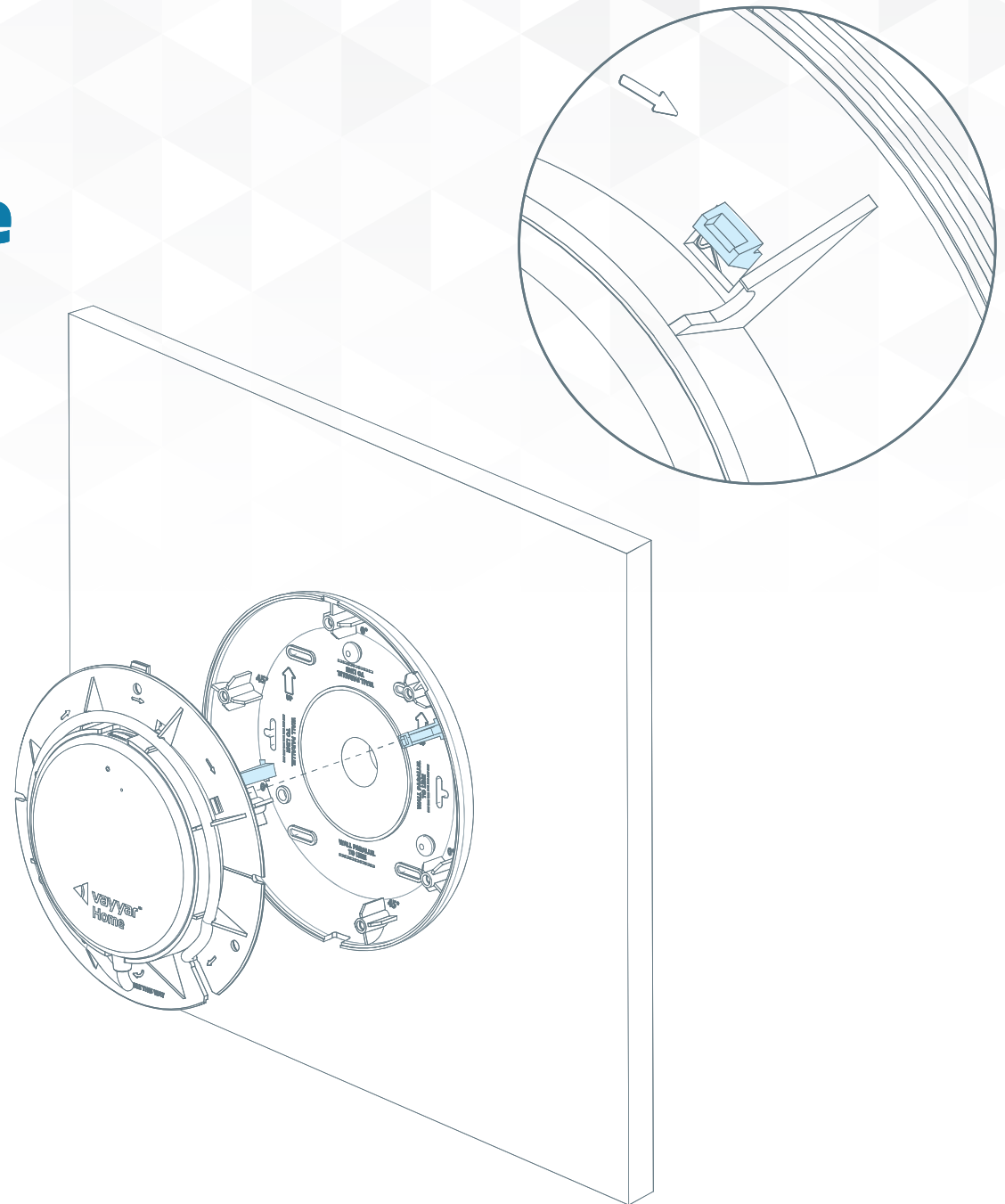
Connect the sensor to the electrical supply.



The electrical cables should be connected to the bottom eighth (12/24V IN) and sixth (GND) locations on the board. Do not attach the cables at locations directly next to each other.

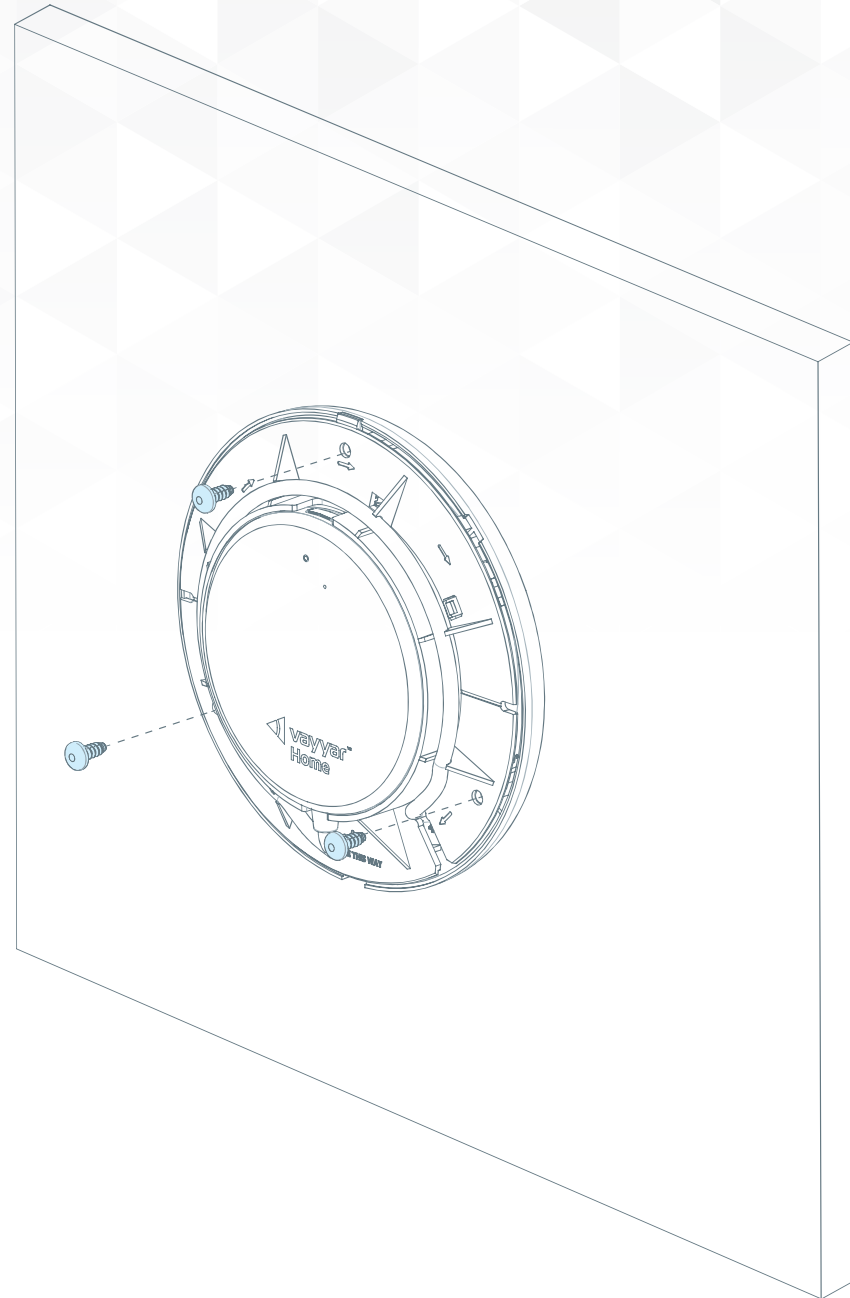
11

Attach the chassis to the back cover with the snap-fit lugs (to ease installation).



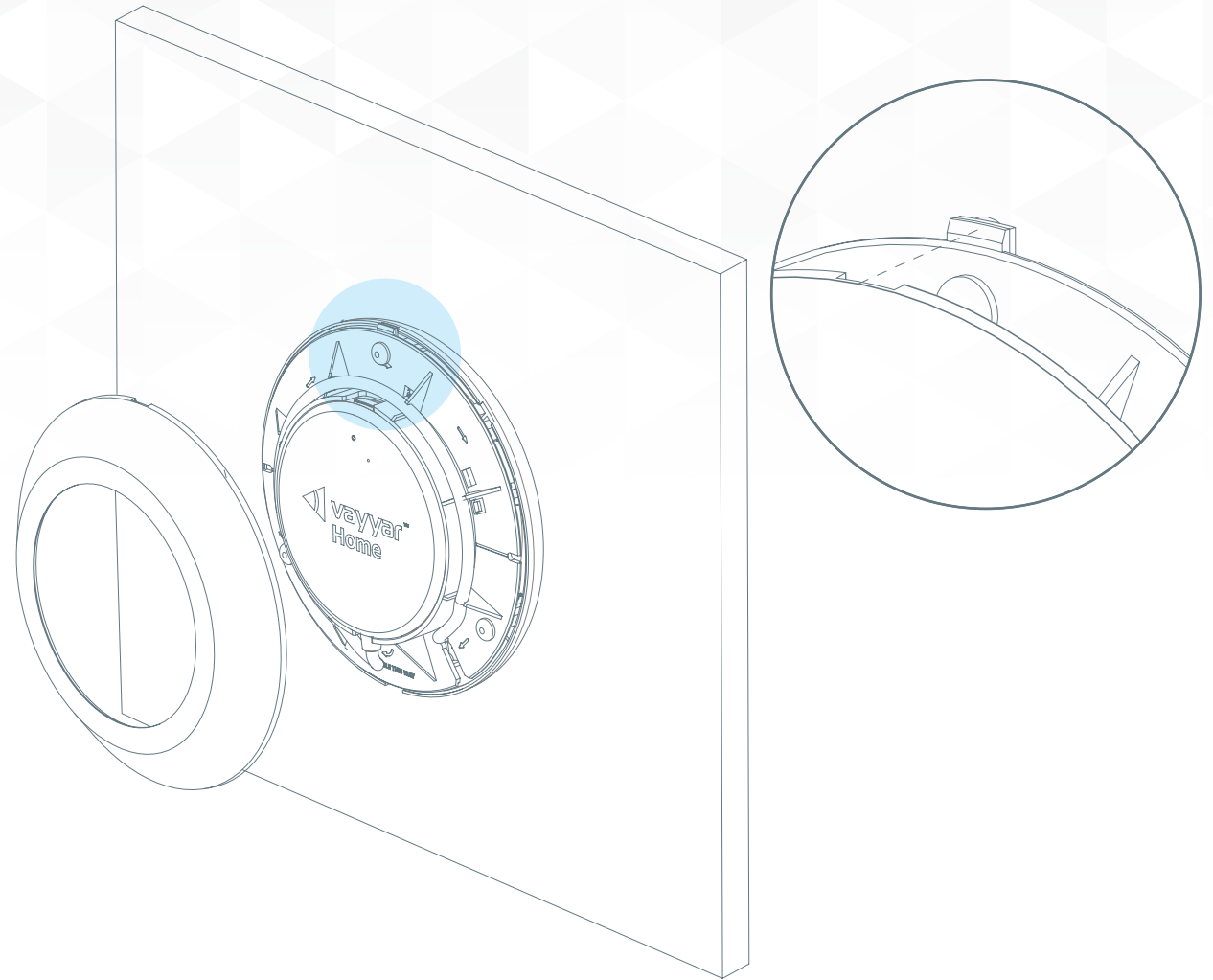
12

Attach the chassis to the back cover with screws.



13

**Attach
the front
cover to
the chassis
with the
snap-fit
lugs.**





**Assembly is
complete.**

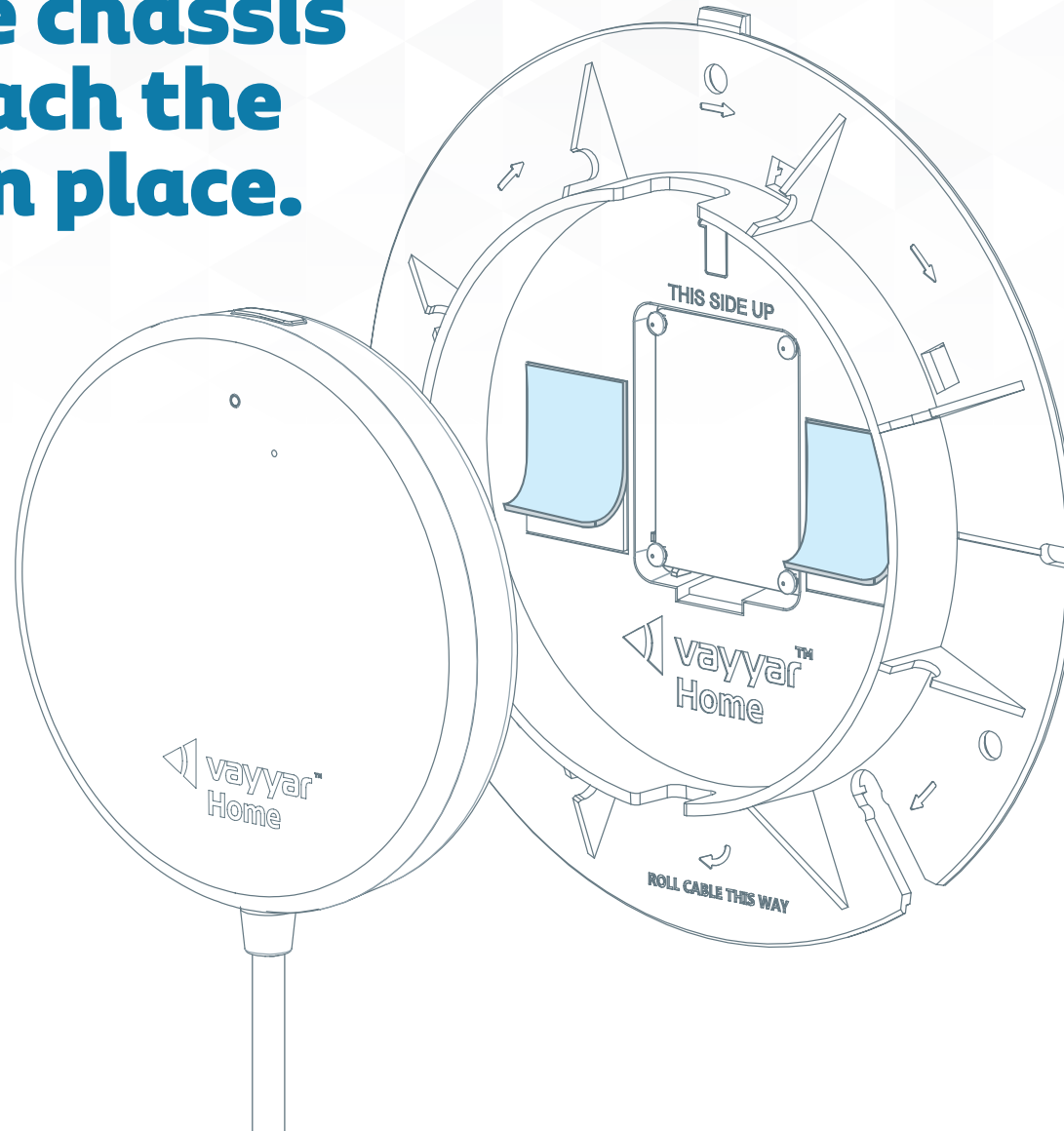


Ceiling installation



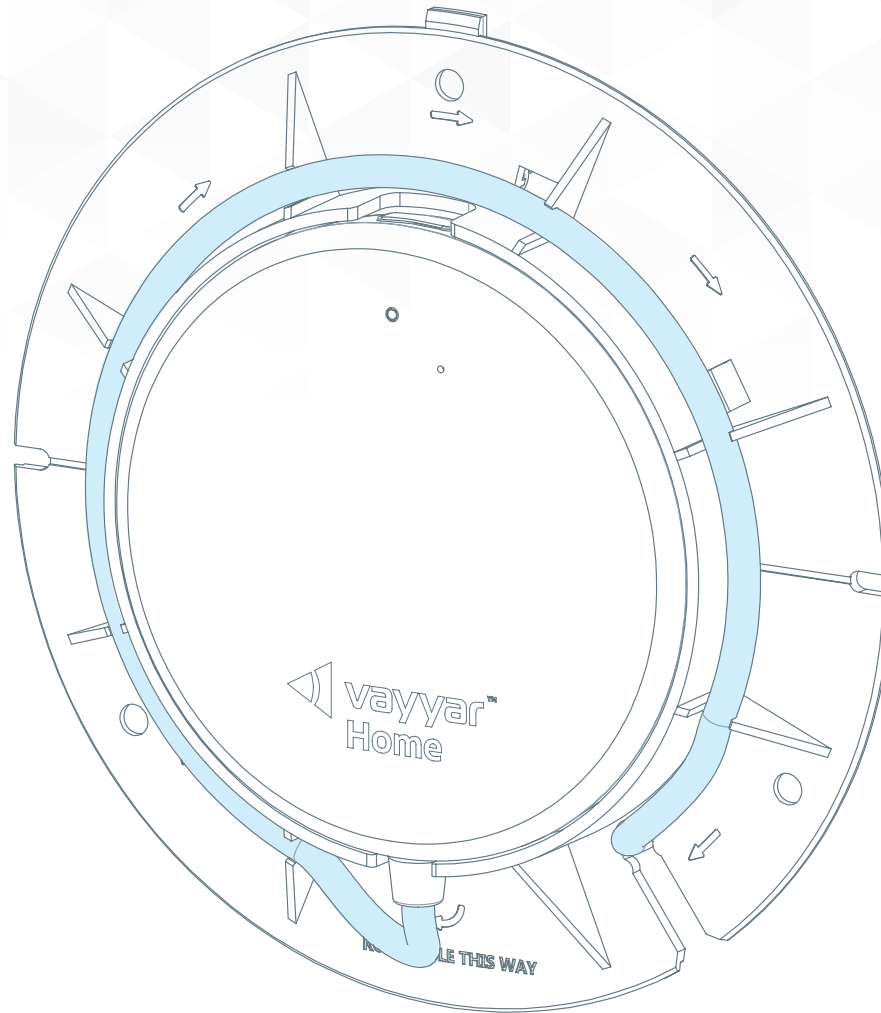
1

Peel the stickers from the chassis and attach the sensor in place.



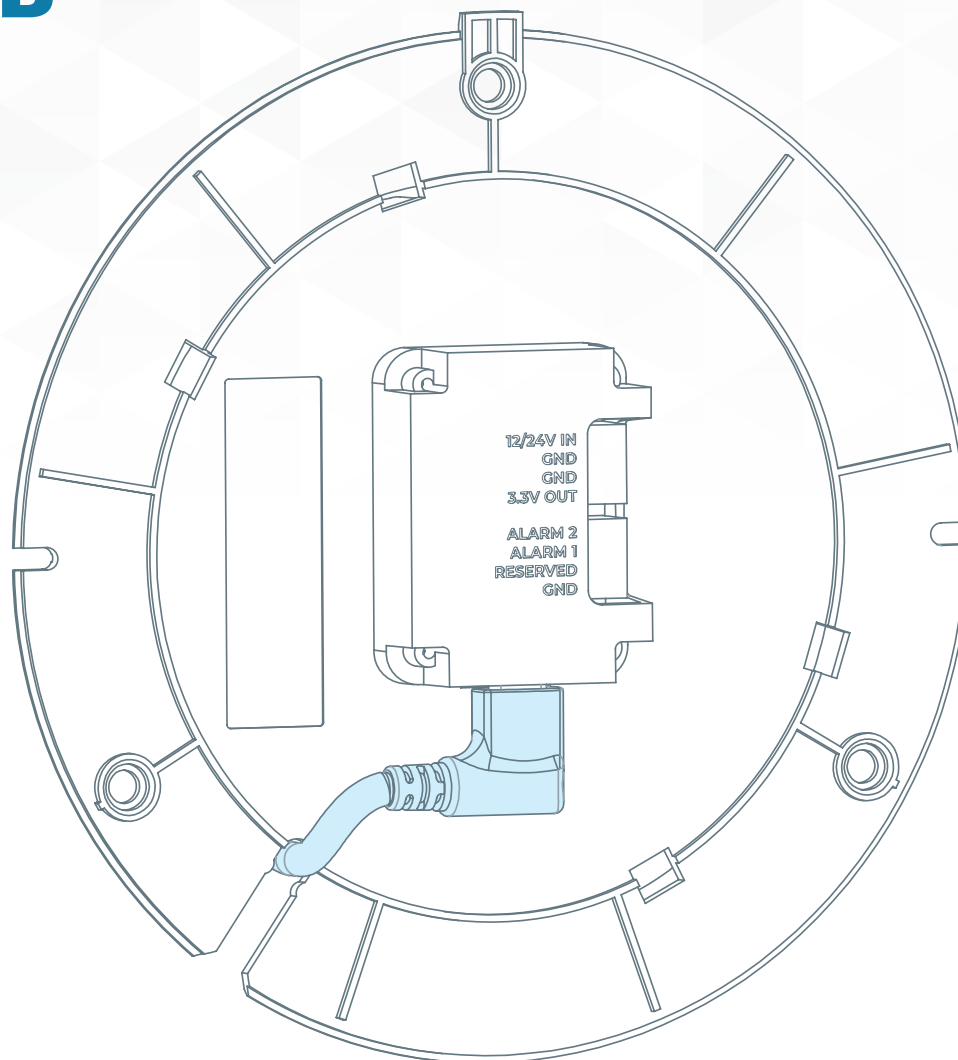
2

**Wrap the cable
over the ribs
and into the
crease.**



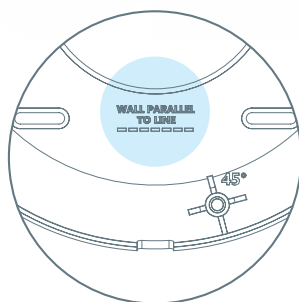
3

**Insert the USB
connector.**

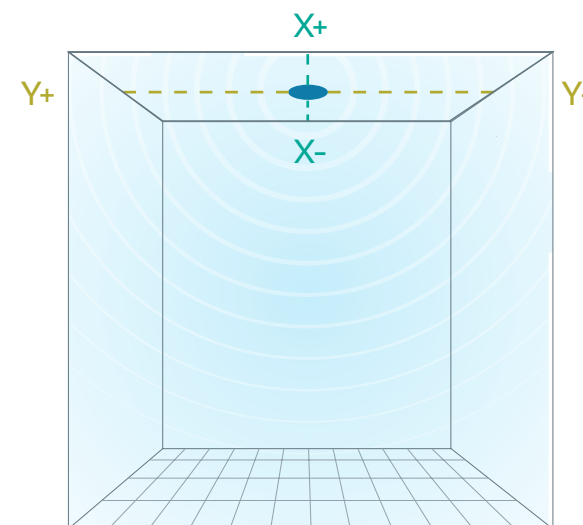
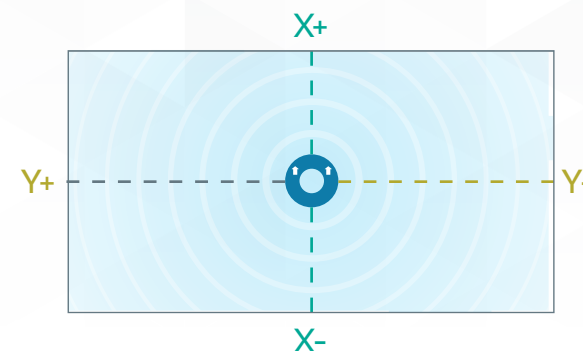
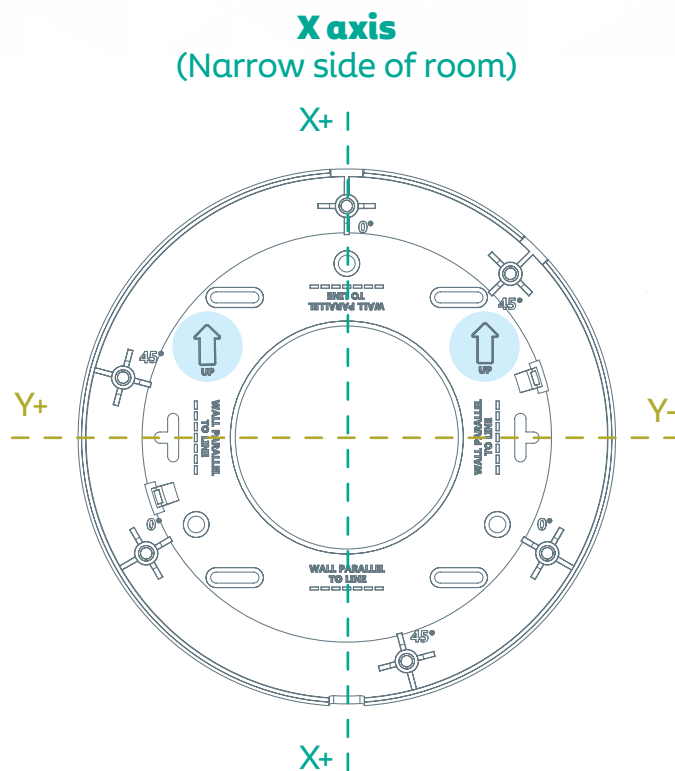


4

Orient the back cover according to the room wall widths – the top arrows should be parallel to the x-axis.

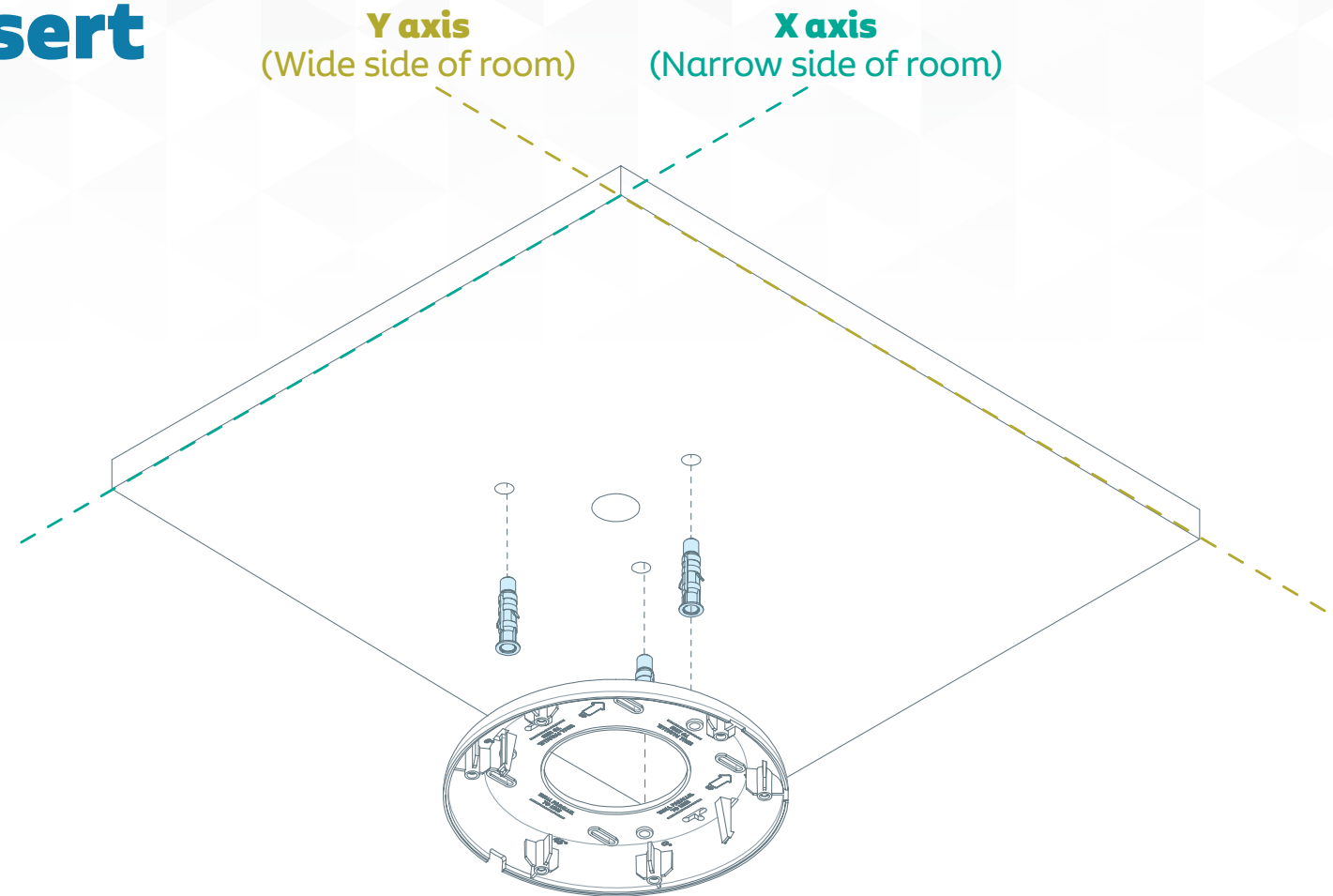


Y axis
(Wide side of room)



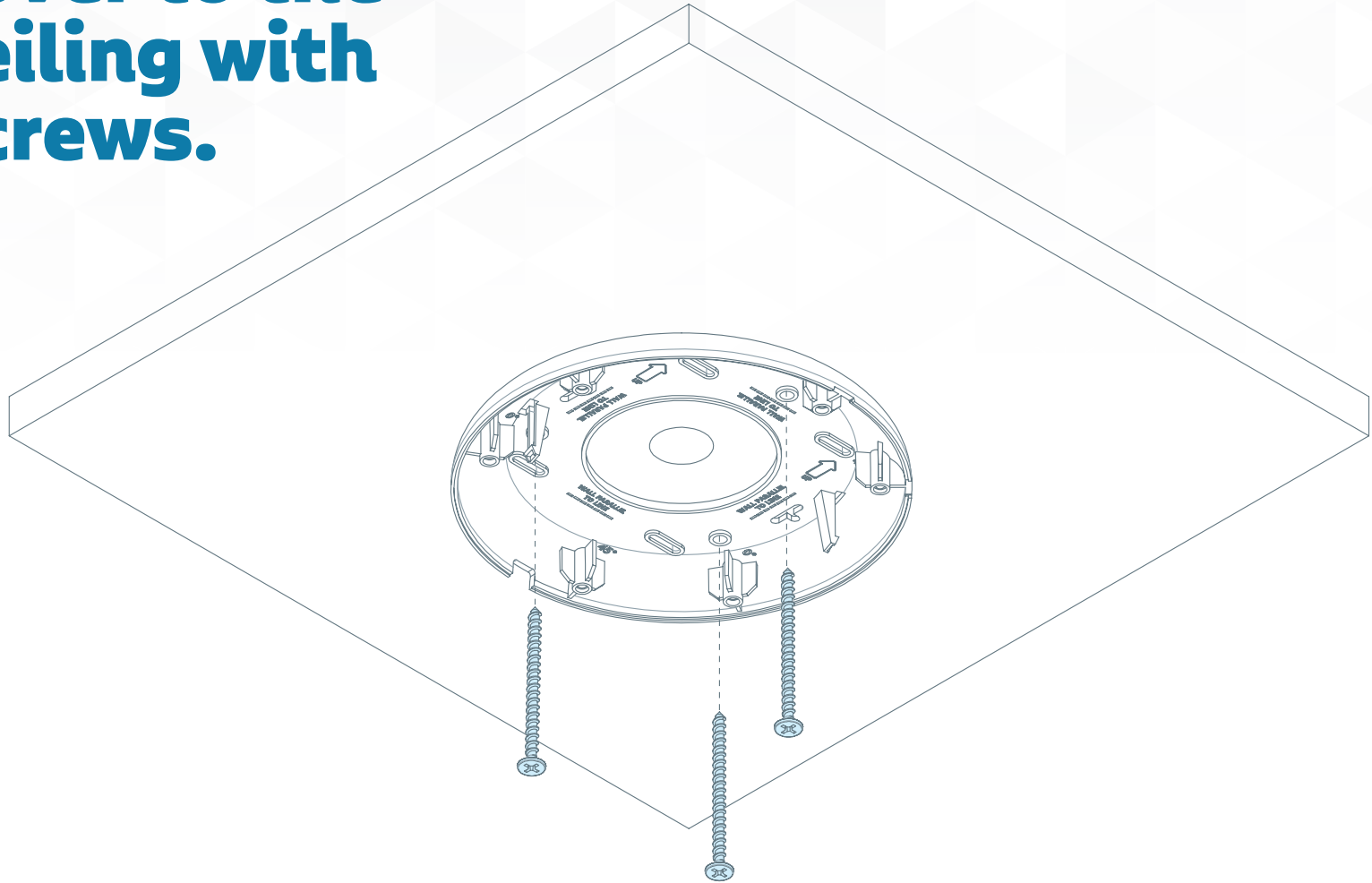
5

Drill holes for wall plugs and insert them.



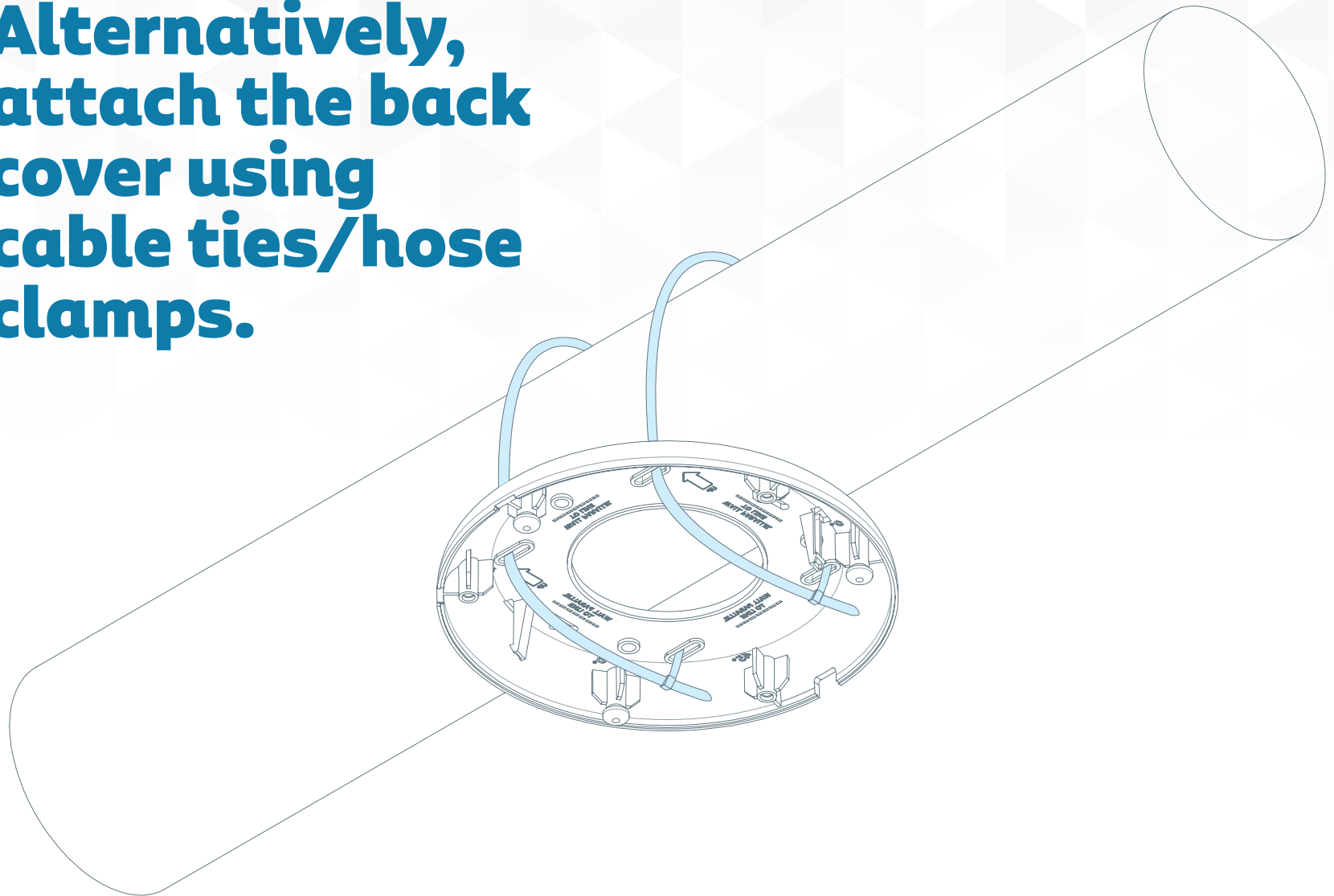
6

Attach the back cover to the ceiling with screws.



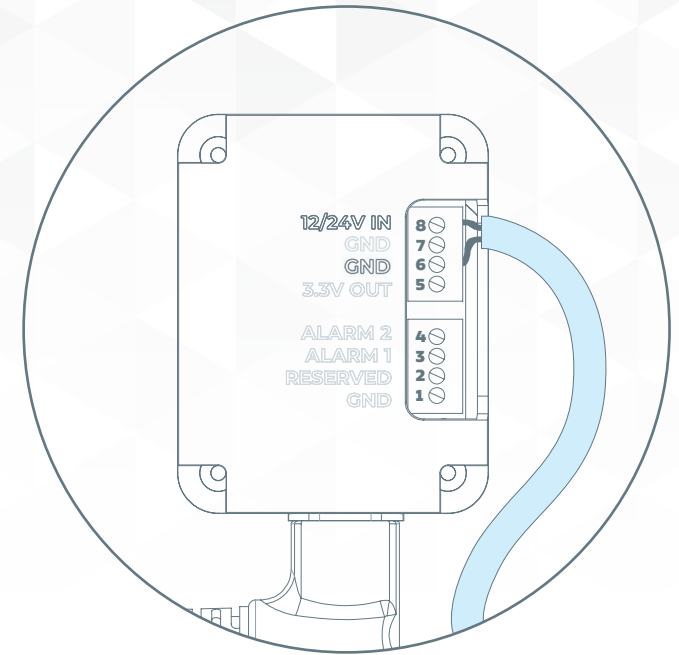
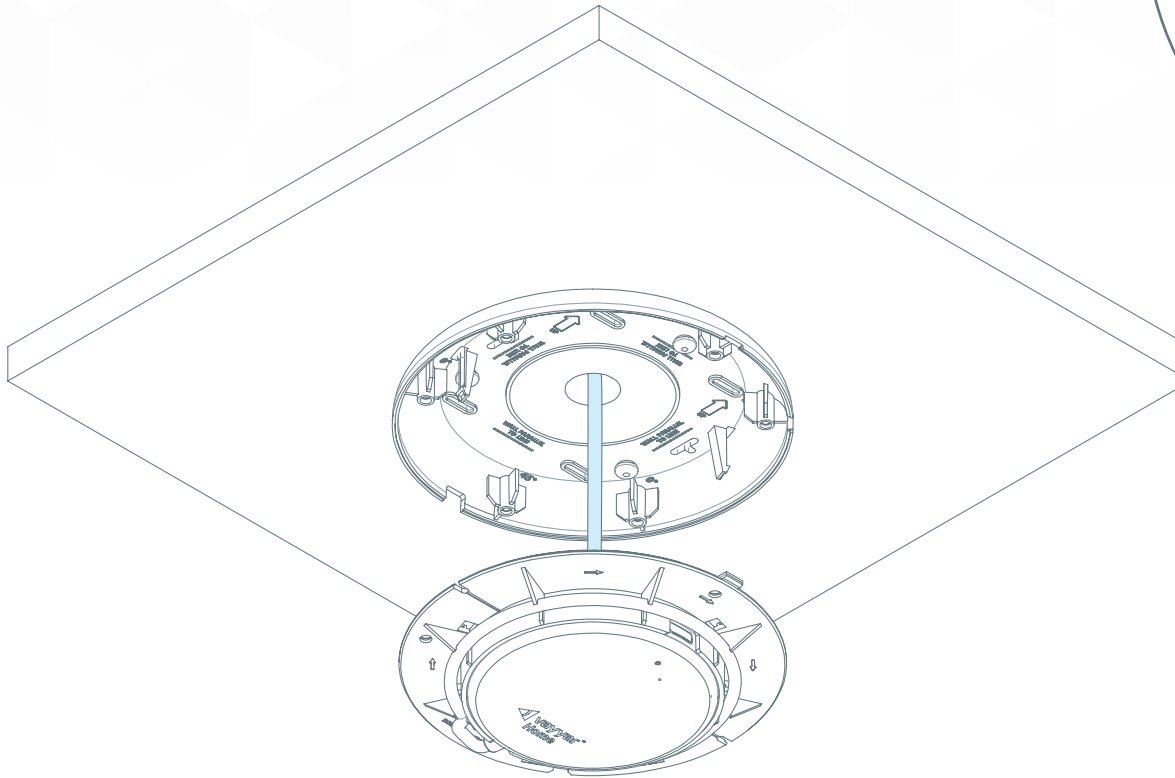
7

**Alternatively,
attach the back
cover using
cable ties/hose
clamps.**



8

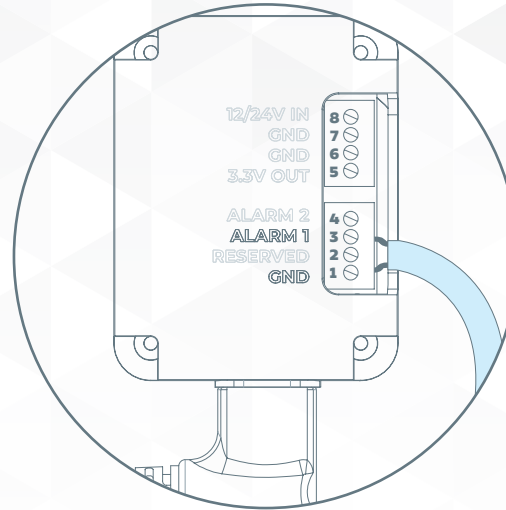
Connect the sensor to the electrical supply.



The electrical cables should be connected to the bottom eighth (12/24V IN) and sixth (GND) locations on the board. Do not attach the cables at locations directly next to each other.

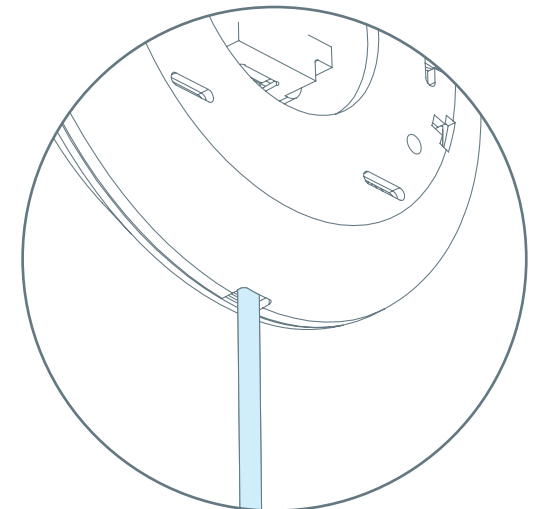
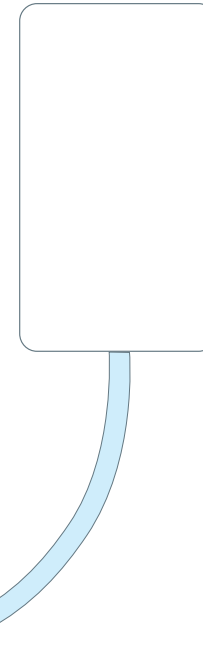
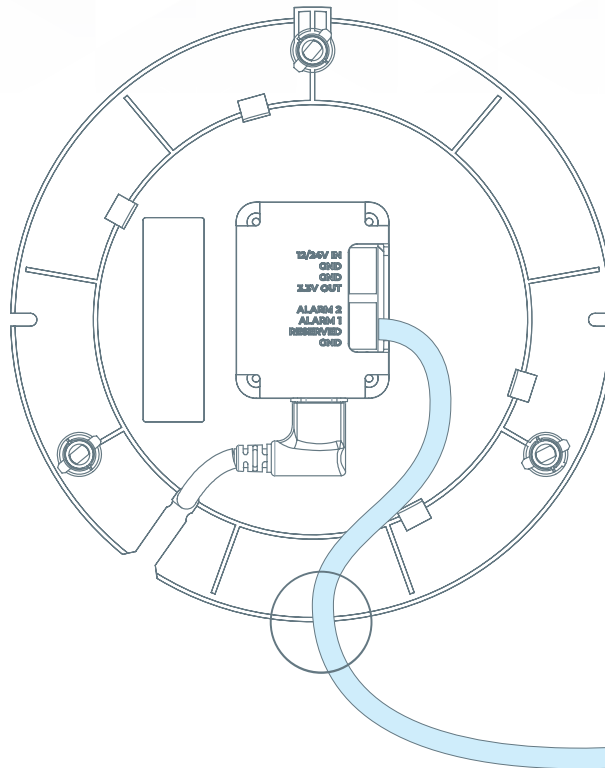
9

(Optional) Connect a dry contact alarm to the sensor.



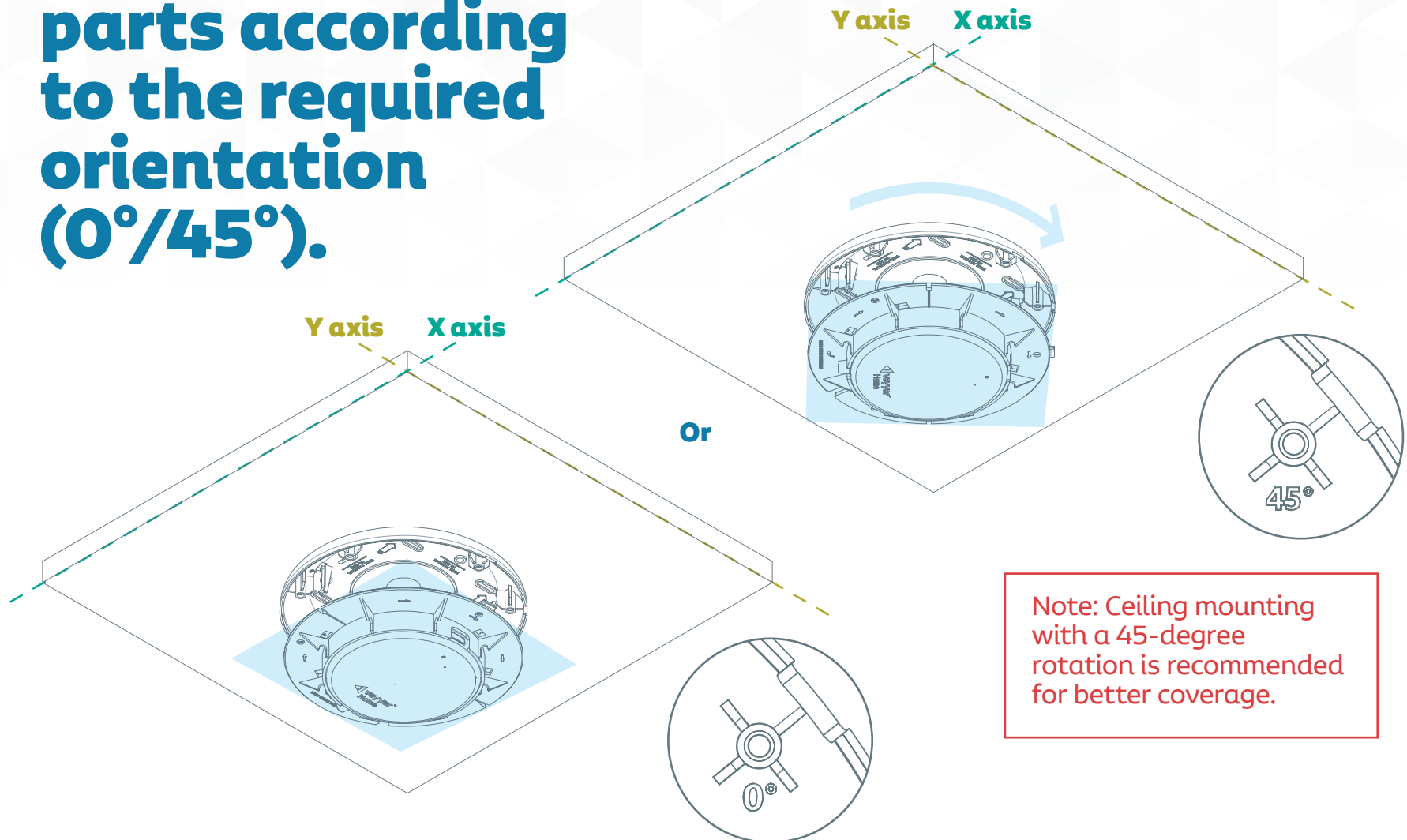
Pass the cable through the bottom-center of the device, there should be a specific opening in the back cover for the cable in this location (see illustration).

The transmitter cables should be connected to the bottom first (GND) and third (ALARM 1) locations on the board. Do not attach the cables at locations directly next to each other.



10

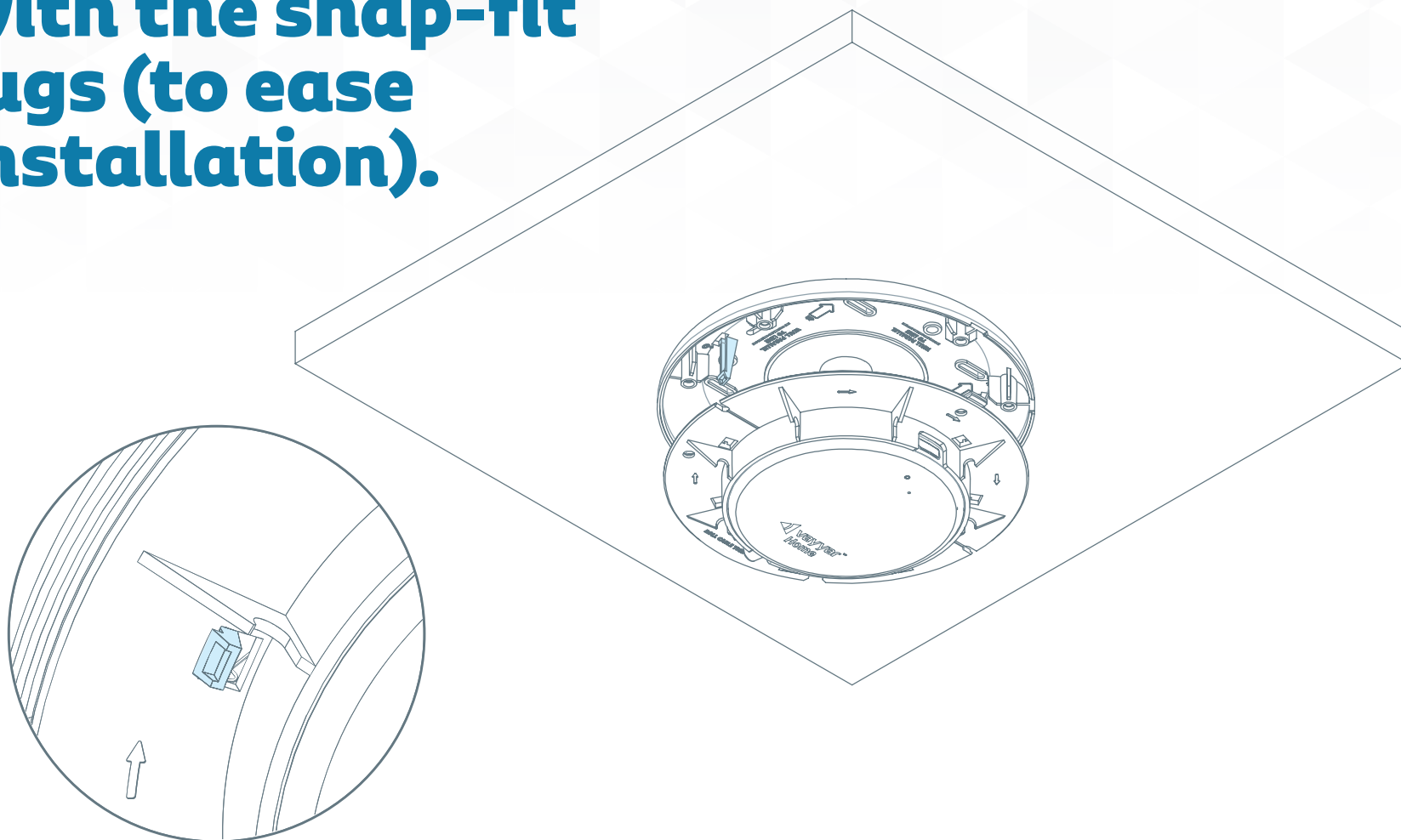
Align the holes between the parts according to the required orientation (0°/45°).



Note: Ceiling mounting with a 45-degree rotation is recommended for better coverage.

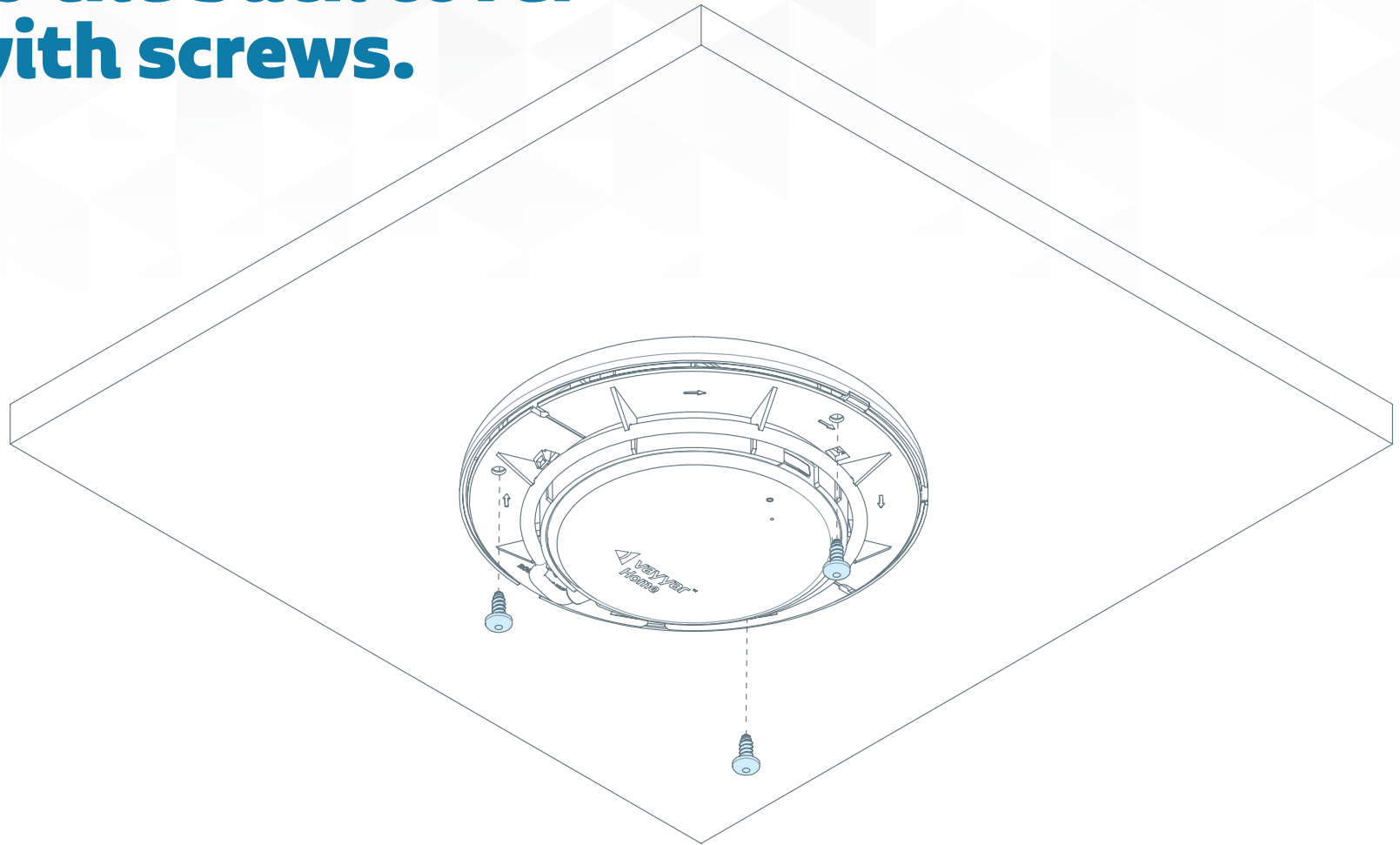
11

Attach the chassis to the back cover with the snap-fit lugs (to ease installation).



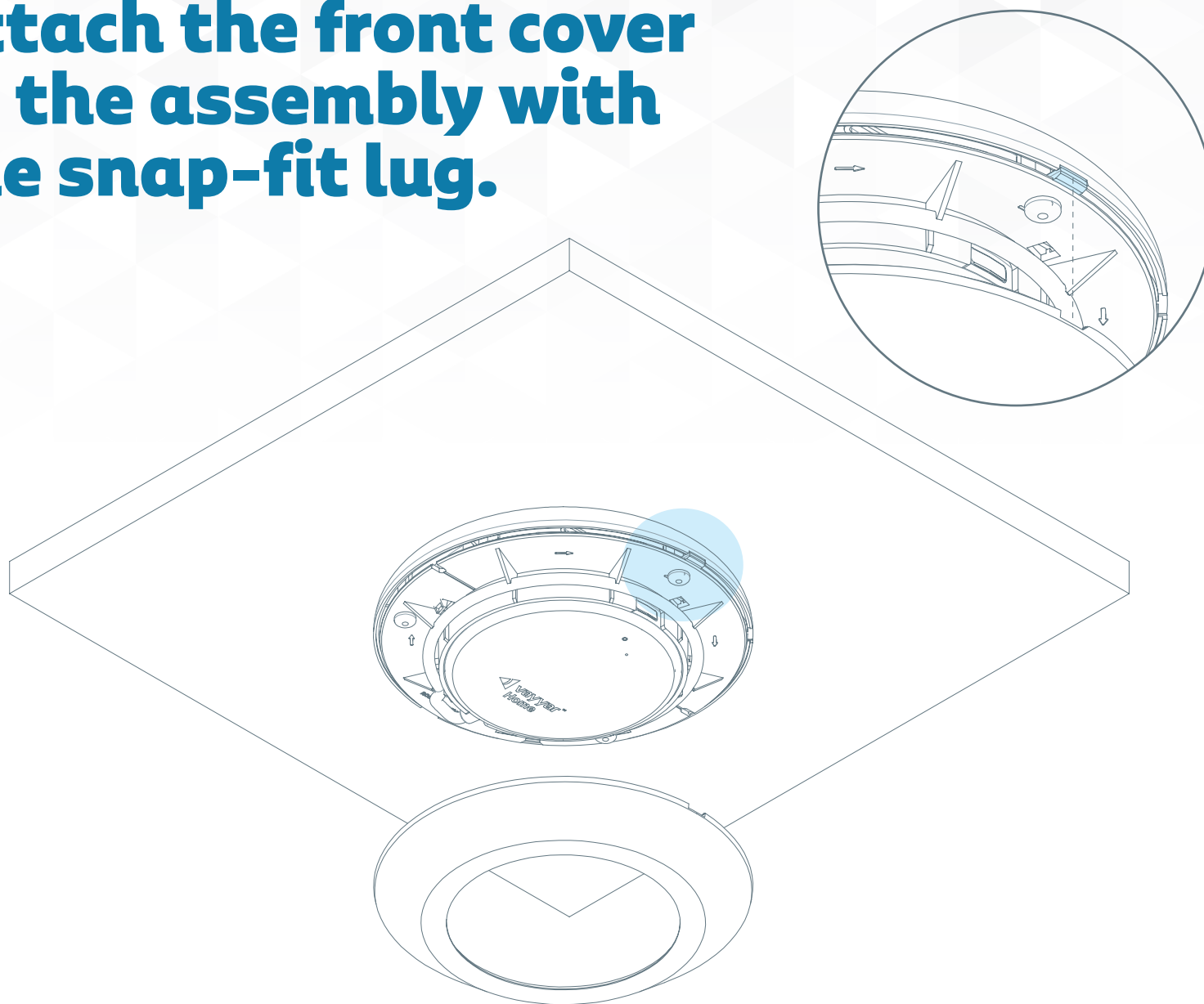
12

**Attach the chassis
to the back cover
with screws.**



13

**Attach the front cover
to the assembly with
the snap-fit lug.**





**Assembly is
complete.**



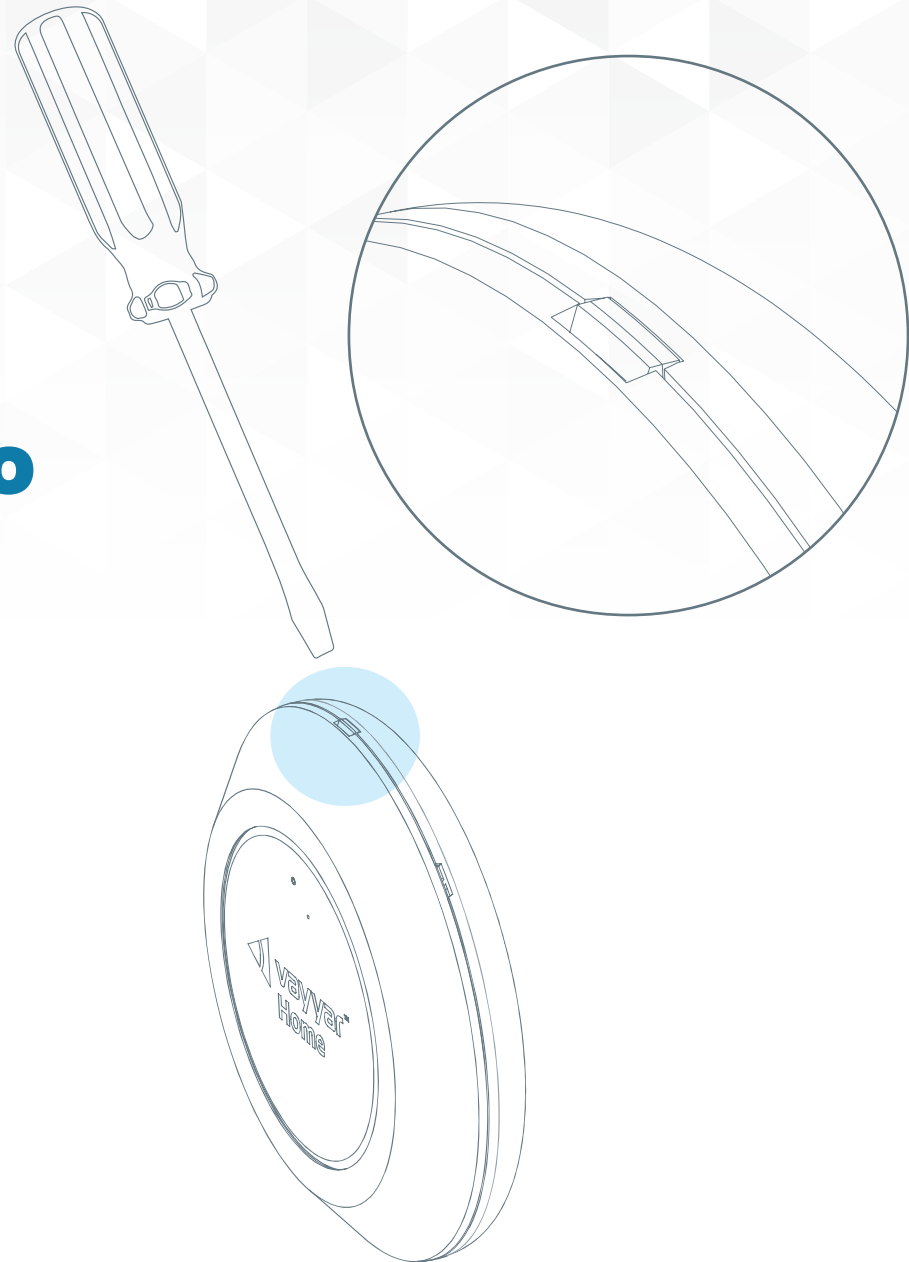


Disassembly instructions



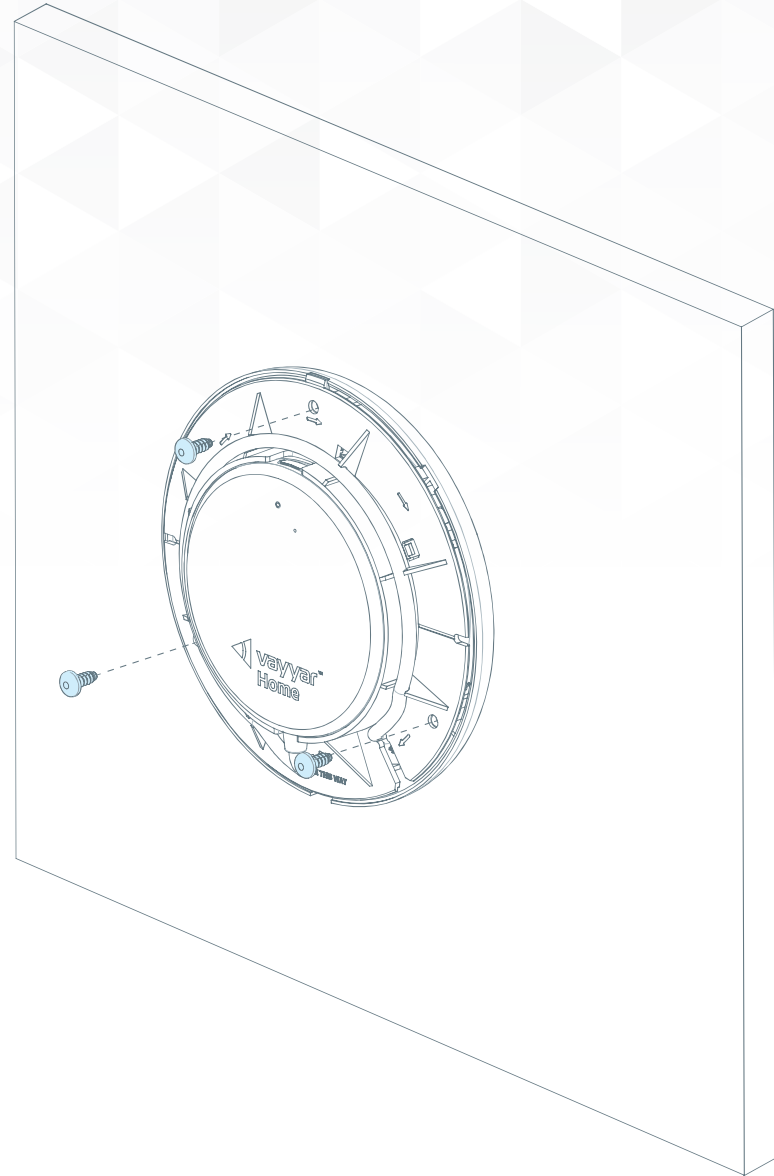
1

Release the snap-fit joint by inserting a flat-headed screwdriver into the top slot.



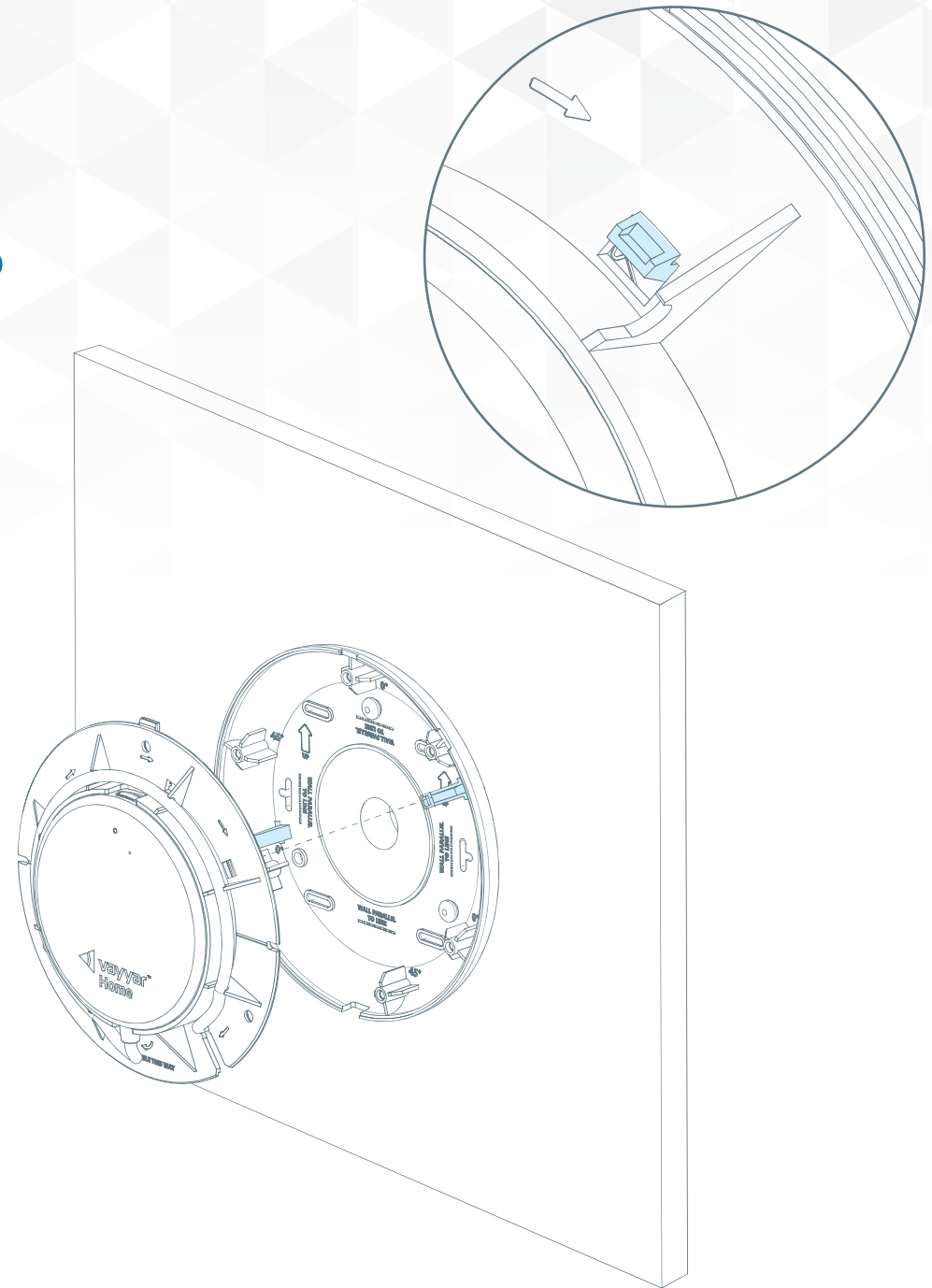
2

Detach the screws from the chassis.



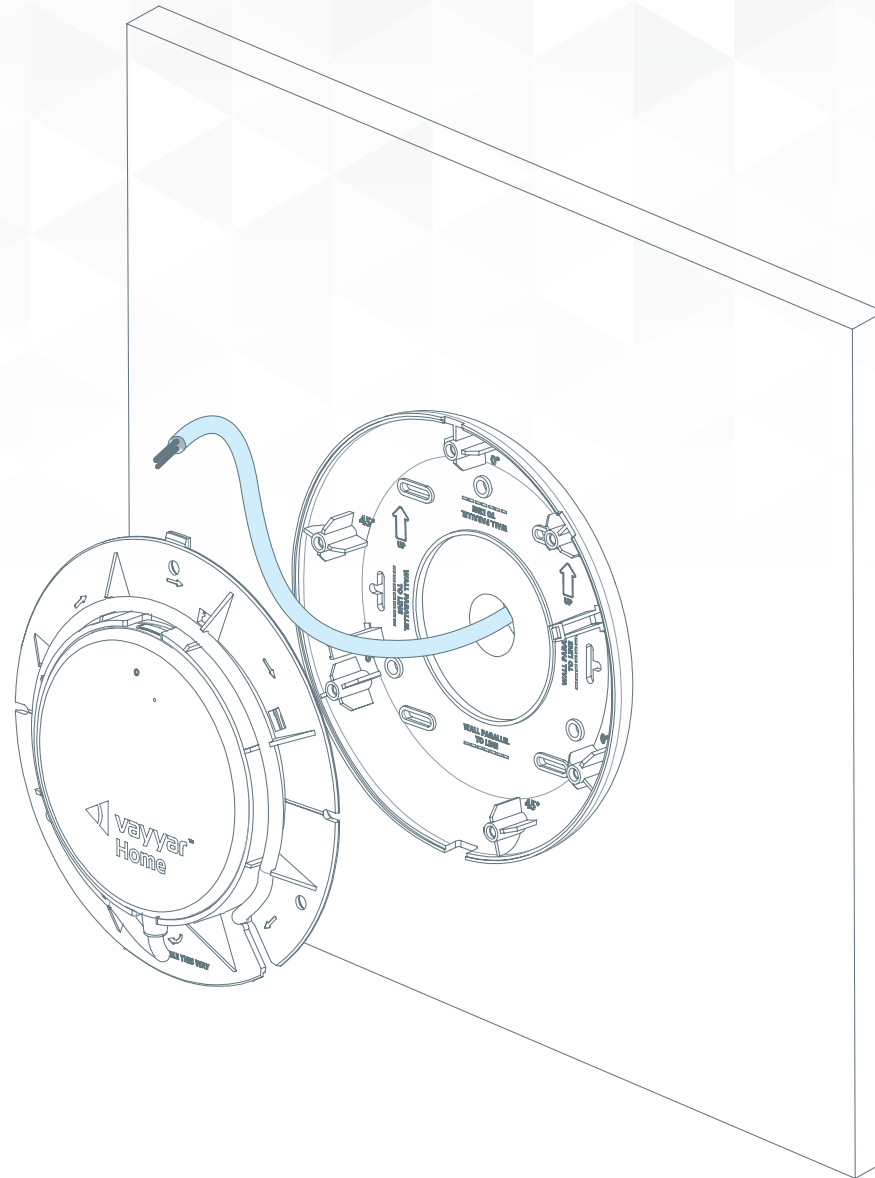
3

Push the snap-fit lugs towards the center and manually detach the chassis from the back cover.



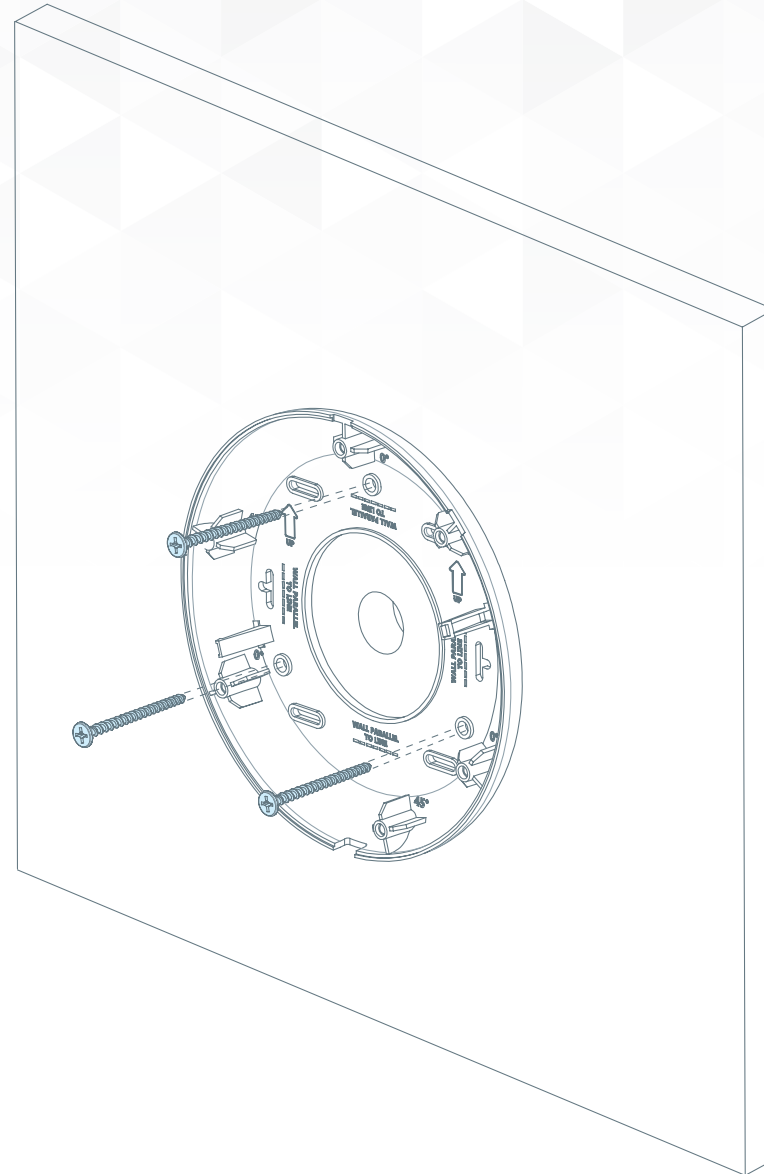
4

**Detach the
elctrical cable
from the
sensor.**



5

Unscrew the screws from the wall/ceiling to detach the back cover.



FCC Statement

FCC Interference Statement This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help. FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter. For product available in the USA/Canada market, only channel 1-11 can be operated. Selection of other channels is not possible. FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body

For questions about **Vayyar Home**[™]

Email: homesupport@vayyar.com

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