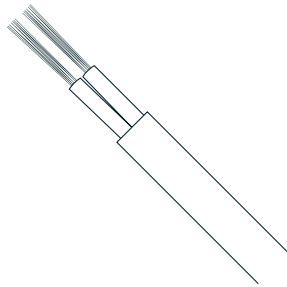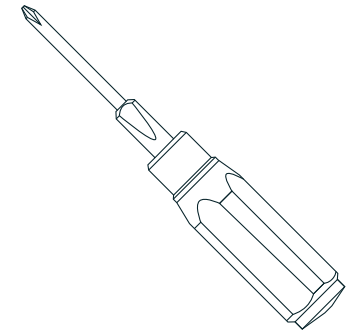# Required Tools

BELIMO®
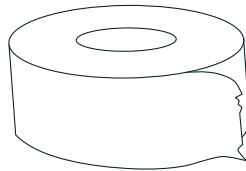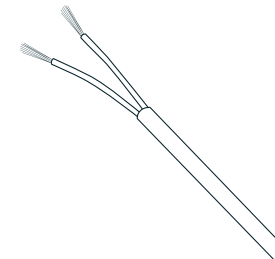
1   220V AC power cable that supports direct wiring

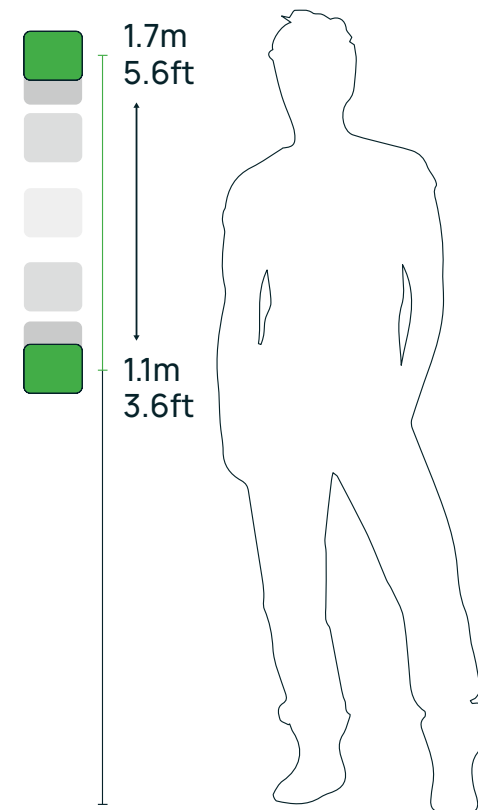2   EXT-KA-SQ100 Air Quality Monitor

3   Cross screw driver

4   Electrical tape or other protection measures, such as a standard electrical box

5   RS485 communication cable (optional)

Where to place?

Install your device in occupied space at 1.1-1.7m (3.6-5.6 ft) above the floor (away from doors, windows, air supply and zones where occupants may exhale directly into the sensor). Please make sure that your desired mounting location is close to a power source.

1.7m
5.6ft

1.1m
3.6ft

Wiring Procedures

1 Please check if you have all the screws on the power sockets.

2 Make sure that your power cable is disconnected from the power supply. If you're unsure, use a probe or multimeter.

3 Insert and fasten the live wire (normally red or brown) and naught wire (normally blue) into the power sockets, as shown in Image 1 on the right. Please do NOT insert the ground/protection line (normally yellow and green). Consult your electrician if you're not sure. The positive / negative wires may be connected to either terminal.
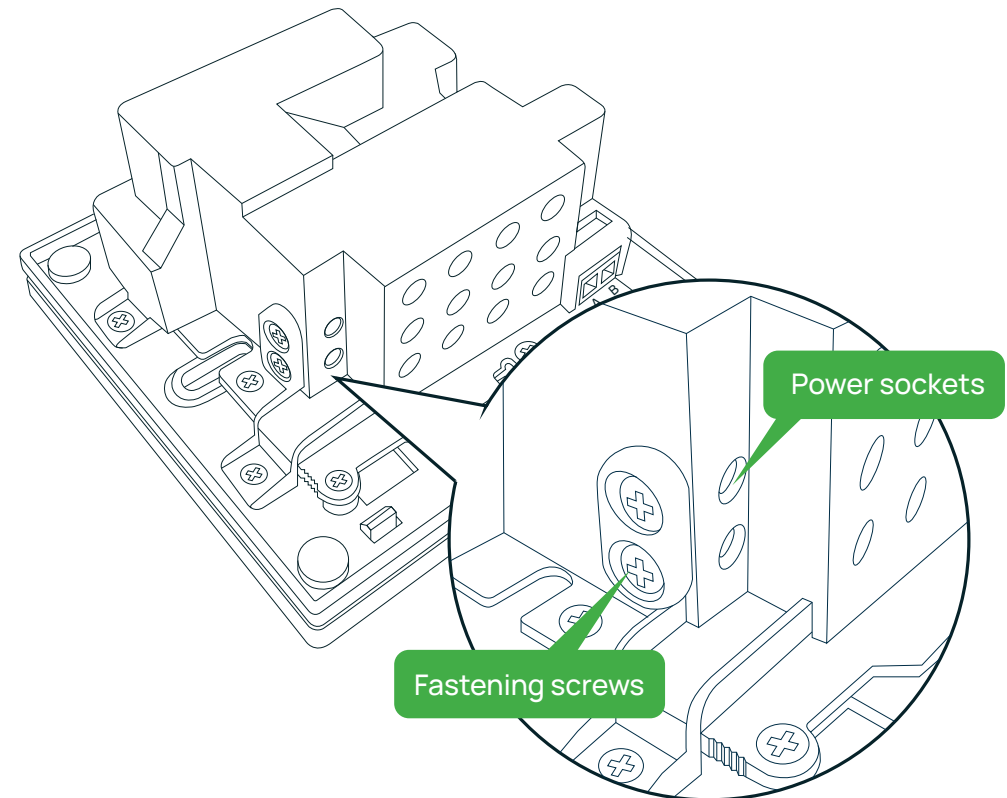

Power sockets

Fastening screws

Image 1

4 Fasten the screws.

5 If you don't plan to install the monitor into the wall, please use electrical tape or other protection measures to avoid electrical shocks or other injuries. Please do NOT touch the sockets or the screws when the power is connected.

6 [Optional] Insert the RS485 communication cables into the pins and fasten the screws. Pin A is for Cable A in RS485, and Pin B is for Cable B in RS485.
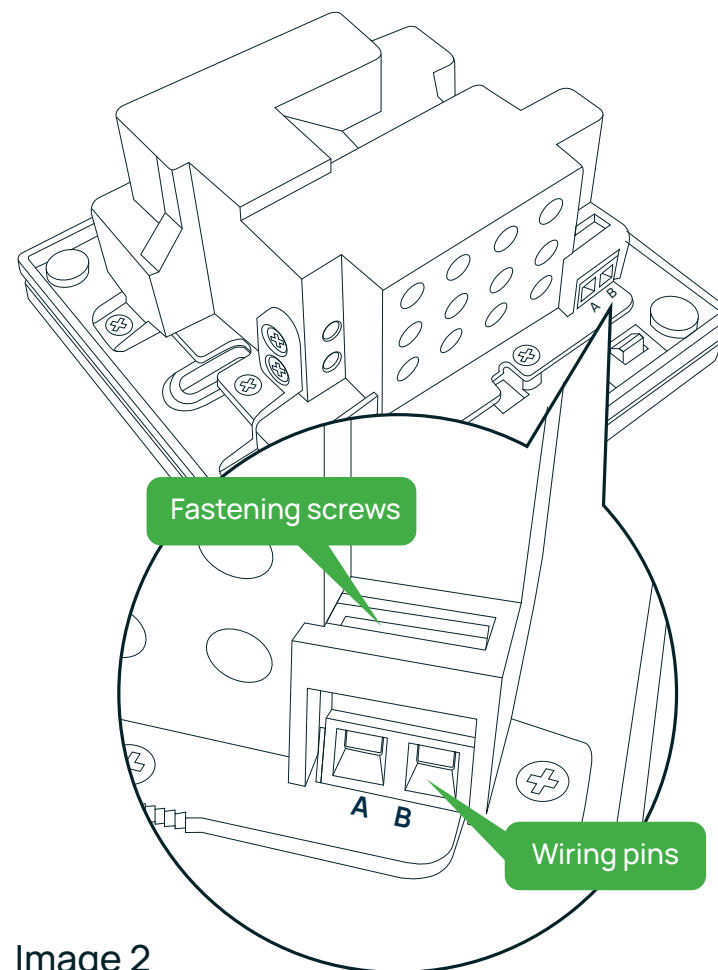
Fastening screws

Wiring pins

A B

Image 2

7 Make sure all cables are fastened.

8 [Optional] To install the monitor into the electrical box, remove the front cover by releasing the four snap fits (see Image 3 below). Use the screws to install the monitor into the standard electrical box and then assemble the front cover, or utilize the isolation protection measures from Step 5.

9 Connect the power to turn on the monitor.

Snap fit*4

Screw hole*2