RECORNECT
REGAIN CONTROL

CoWin Halo Large

Mounting Frame Installation

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Contents

Introduction

This document provides essential guidelines for preparing the mechanical and electrical infrastructure required for the proper installation of CoWin. It is intended for contractors responsible for the installation.

The CoWin is integrated into a wall and follows a three-step installation process. For a complete overview, refer to the “CoWin Delivery Process” document.

This guide focuses specifically on the mounting frame, covering both mechanical and electrical aspects.

Installation Process

Unboxing

The mounting frame is packaged as shown in Figure 1. Dimensions are listed in Appendix A.

CoWin Large shipment box

Type	Weight (KG)	Dimensions, LxBxH (cm)
Empty box	60	169 x 89 x 14 (cm)
Box with frame	70	169 x 89 x 14 (cm)

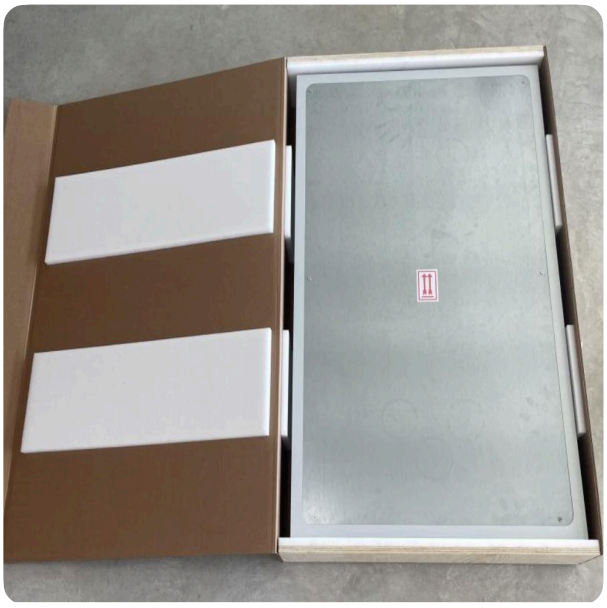


Figure 1: Shipment box.

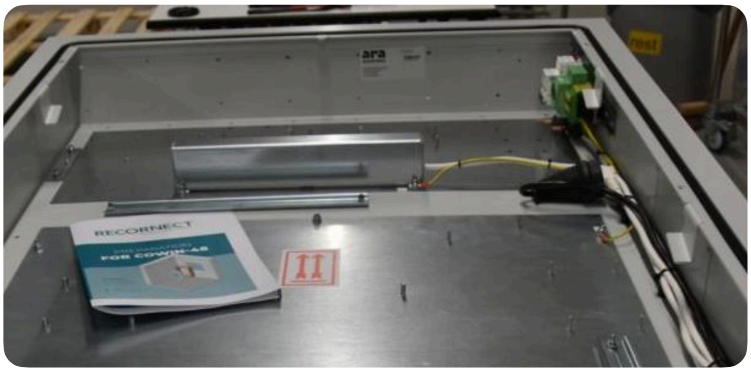
Figure 2: Mounting frame with cover plate.

Figure 1: Shipment box.

Use appropriate tools to open the box. The mounting frame includes a protective front plate, which must be reattached after installation and remain in place until final system setup.

Carefully remove the cover plate to avoid damaging the lacquer. Use a suction cup for safe handling.

Important: Always store the protective plate for emergency use.



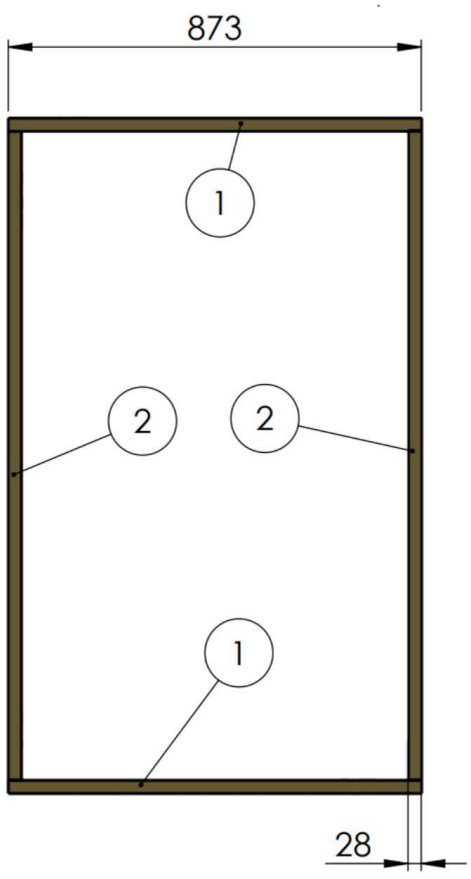
The mounting frame is mostly hollow but contains several electronic components.

Figure 3: Mounting frame without cover plate.

Preparation - Mechanical

CoWin is typically integrated into a wall or partition. Exact dimensions for the Halo Medium mounting frame are in Appendix A. Figure 4 shows the required wooden frame dimensions for mounting the Cowin Halo.

Note:
* This wooden frame must be prepared by the installer and is not supplied by Recornect.



Item	Name	Dimensions(mm)
1	Horizontal plank	873 x 135 x 28
2	Vertical plank	1369 x 135 x 28

The wooden frame must have 90° angles and support at least 90 kg, as shown in Figure 6.

Figure 4: Wooden frame dimensions

Figure 5: Force on the wooden frame.

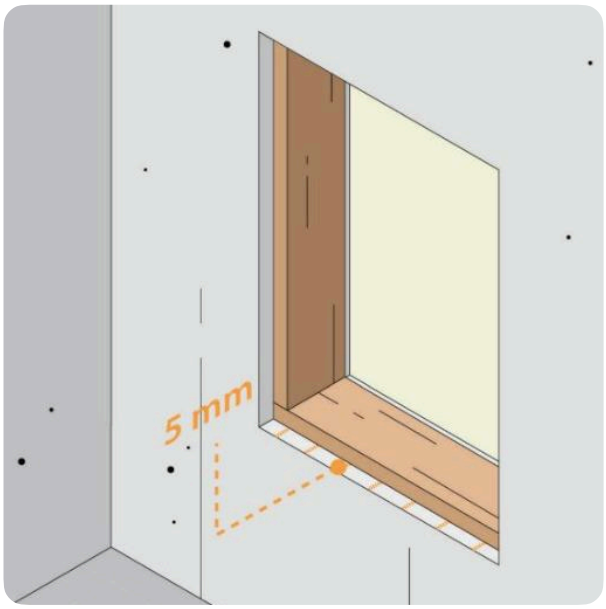
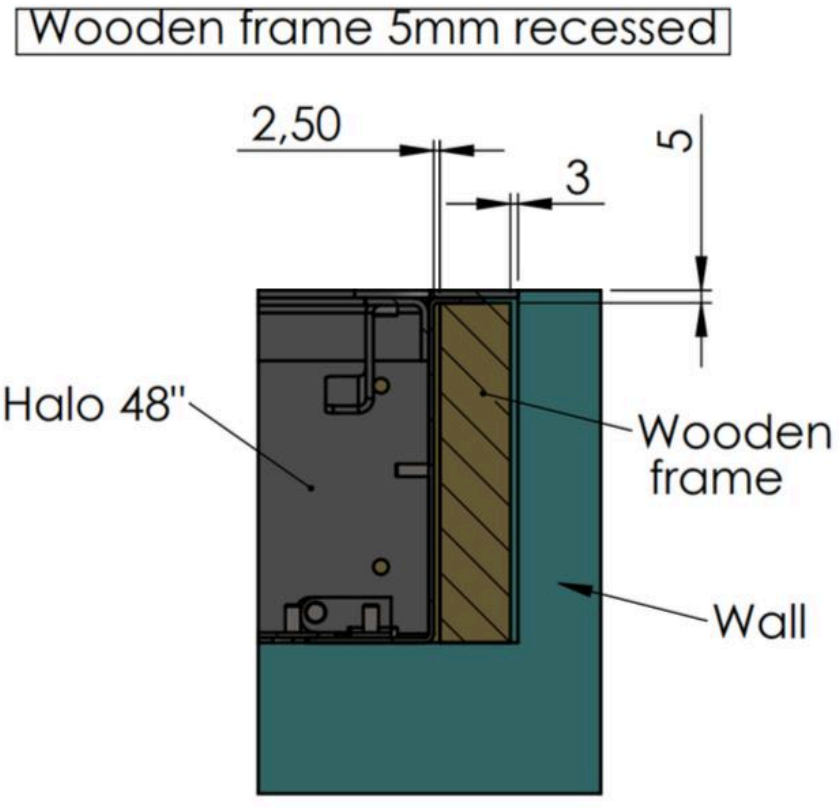


Figure 6: Recessed wooden frame to place CoWin flat with the wall.

Note:
* The mounting frame has a 5 mm bezel. Align it flush with the wall surface, as shown in Figures 6 and 7



Alternatively, CoWin can protrude 5 mm; in this case, use epoxy to fill the gaps around the bezel.

To improve system longevity, add ventilation by removing one or more of the pre-cut 80 mm disks in the frame. These can be detached by tapping with a rubber hammer.

Figure 7: Detail showing how the media wall sits flush with the wall.

Preparation - Electrical

The diagram below illustrates the primary electrical connections required for the media wall system.

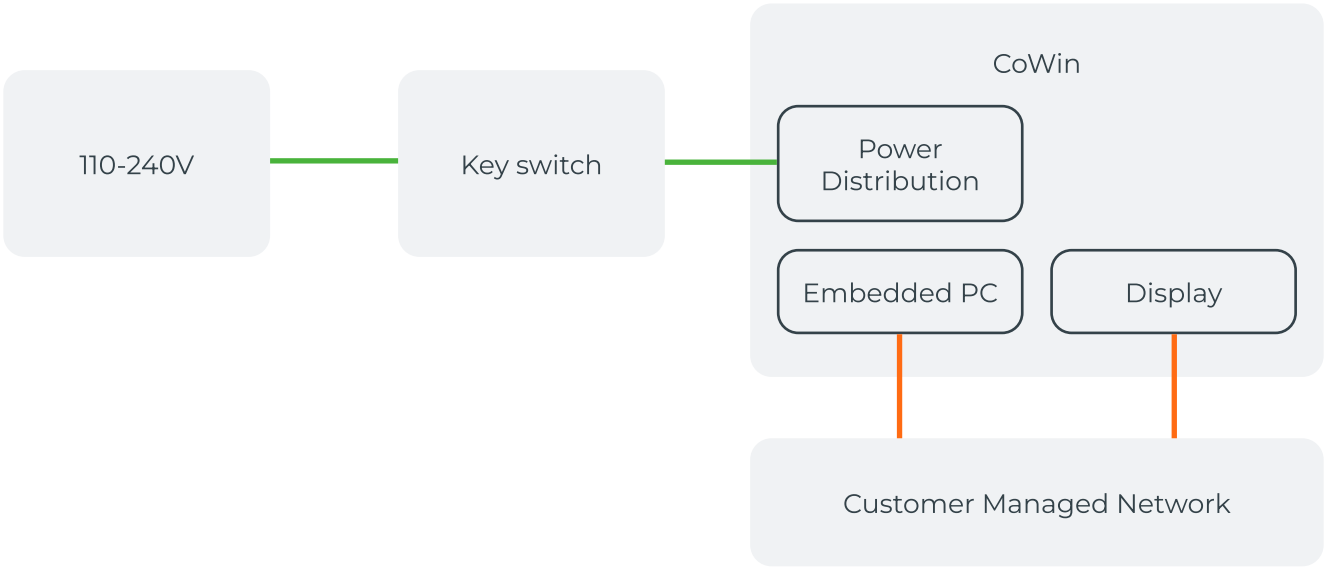


Figure 8: Electrical connections CoWin

A detailed list is provided in the table.

#	Connection	Description
1	Mains power	Single phase, Line, Neutral and Ground, 110-240V, 16A slow-blow fuse.
2	Network	CAT-6, RJ-45 connector to connect to the internal switch that provides network connection for PC and display.

The mounting frame allows for cable routing from the top, bottom, sides, or rear. Cable inlet locations are indicated in the drawings in Appendix A.

To prevent cable damage, always use the provided rubber grommets when passing cables through the metal frame. Figure 9 shows a typical cable entry example. Hole diameters are 25 mm and 80 mm.

An external power switch must be installed to allow staff to shut off power to CoWin in case of an emergency.

This switch should be located in an easily accessible area, such as near the room entrance or at the nurse station.

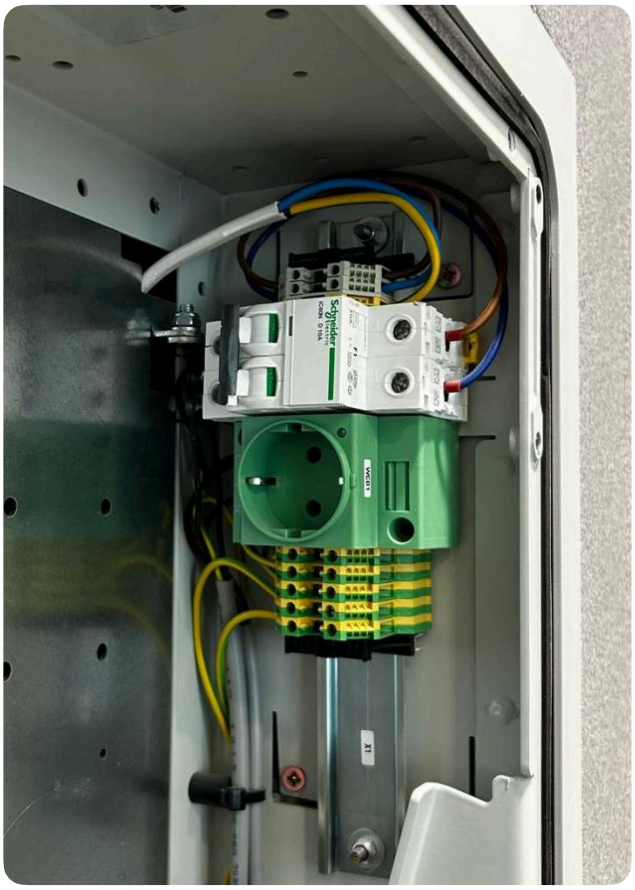


Figure 9: Cables entering the mounting frame.

An example of the external key switch for a CoWin unit.

Securing CoWin

To ensure CoWin retains its proper shape, it is equipped with mounting flaps for secure installation.

Use wood screws to fasten the system on both sides. Additional screws on the top and bottom of the frame are not required.

Figure 10: Detailed picture of the flaps and the amount of screws required to secure the system.

AC Power Connection

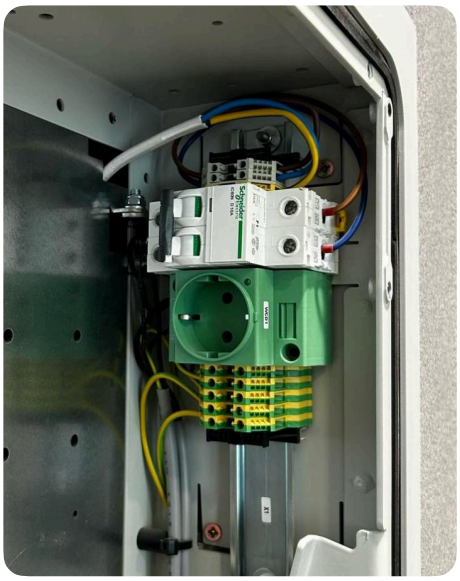


Figure 11: Photo on how to connect the power.

Connect the mains voltage to the power switch/isolator located in the top right corner of the frame. Refer to Figure 12 for correct wiring of Live, Neutral, and Ground.

Important:

- Secure all cables along the rear side of the system to reduce the risk of trapping cables during display module installation.
- Ensure the housing is properly grounded.

Network Cable

The network cable should extend approximately 100 cm into the frame and be terminated with an RJ-45 connector. Labeling the cable is recommended to aid in troubleshooting. In setups using two network cables, the internal switch is not utilized.

Place The Cover Plate

Once the system is securely mounted and both power and network cables are connected, the cover plate can be reinstalled.

Take care not to damage the lacquer during this process.

Figure 12: CoWin with cover plate.

Wall Finish

After the cover plate is in place, wall finishing (e.g., plasterwork, epoxy coating, or painting) can be completed.

Appendix A: Drawings CoWin

Dimensions in mm