HARVIA

Sauna & Spa

INNER LIGHT

SAUNA



Fenix WiFi Controller

ELECTRICIAN INSTALLATION GUIDE

For Demfin Series Saunas

WIFI CONNECTED

TOUCHSCREEN CONTROL

PRECISE TEMPERATURE

MYHARVIA APP

PLEASE READ CAREFULLY AND KEEP FOR FUTURE REFERENCE

DESIGNED FOR PERFORMANCE. BUILT FOR WELLBEING.

Quick Install Card & How to Read This Guide

Quick Install Card

Keep this page for reference during the install. Full detail on every step follows.

- ☐ **Isolate Power**
- ↓
- ☐ **Mount Panel (1000 mm)**
- ↓
- ☐ **Mount Sensor**
- ↓
- ☐ **Route RJ10**
- ↓
- ☐ **Connect X5 / X6**
- ↓
- ☐ **Restore Power**
- ↓
- ☐ **Test Devices**
- ↓
- ☐ **Connect WiFi**
- ↓
- ■ **Customer Handover**

How to Read This Guide

Four colours are used consistently throughout:

Danger
Live mains wiring — licensed electrician only.

Verification Required
A point where the correct wiring depends on the specific heater model — confirm against the wiring diagram supplied with that heater.

Information
Useful context — not a required action.

Confirmed
What correct, completed wiring looks like.

Professional Tip
Practical advice from experience, not required but worth doing.

Before You Begin

This guide covers installing and commissioning the Fenix WiFi controller only. Harvia supplies the customer-facing user manual separately — that's not this document's job.

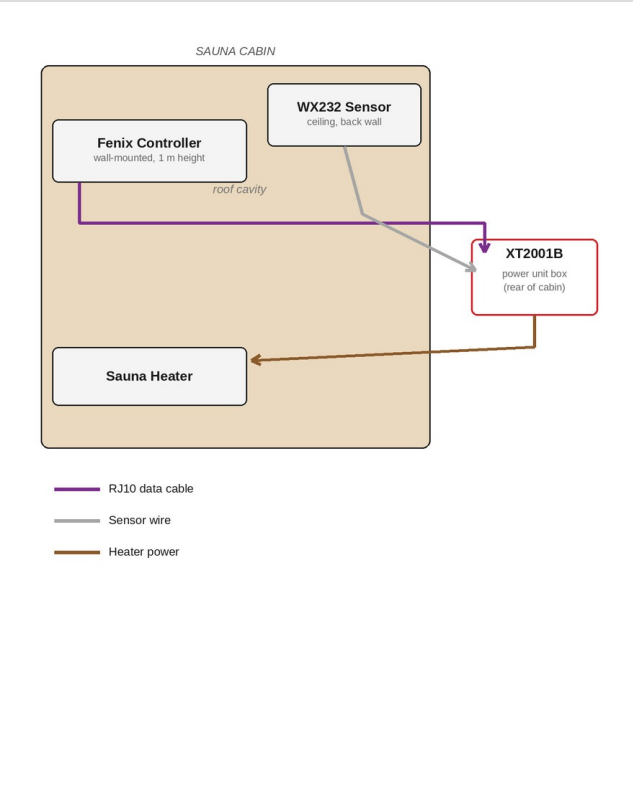
Confirm you have everything before you start

- ☐ Power isolated at the sauna's main switch
- ☐ Heater model and kW rating confirmed
- ☐ RJ10 data cable on hand (max. 10 m)
- ☐ WX232 temperature sensor on hand
- ☐ Smartphone available, for Test Devices mode

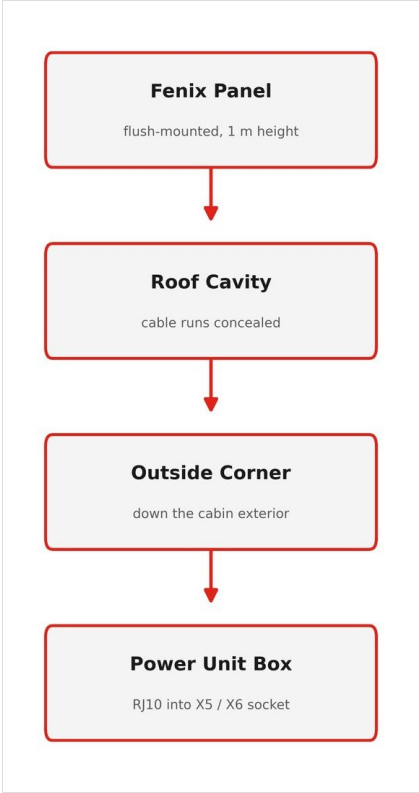
Installation Overview & Cable Routing

Installation Overview

How the controller, cable, sensor, and power box connect through the sauna.



Cable Routing

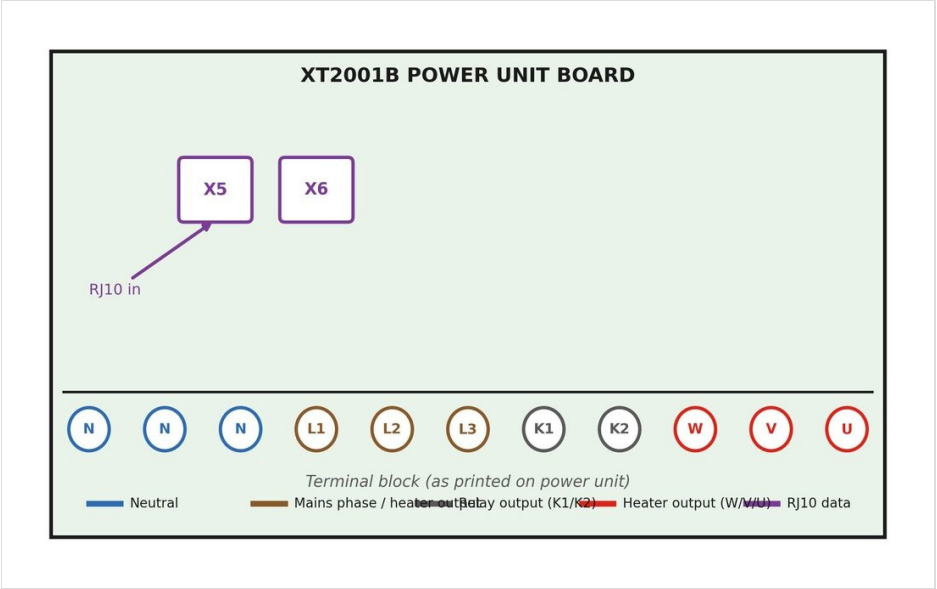


Maximum cable length: 10 m. Route separately from mains cabling to avoid signal interference.

Wiring Reference

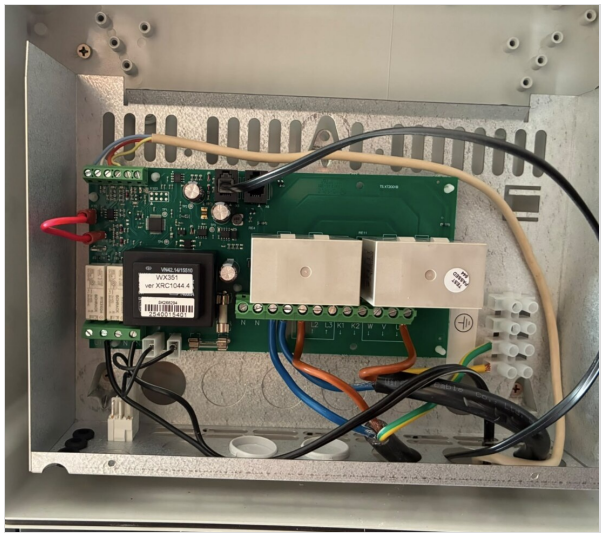
Wiring Reference

Terminal layout, as printed on the XT2001B power unit board.



Colour key — as wired at Innerlight

Colour	Meaning
Blue	Neutral (N)
Brown / Orange	Mains phase (L2, L3) and heater output (U)
Green / Yellow	Earth
Purple	RJ10 data cable — Fenix panel to power unit
White / Red (thin pair)	WX232 temperature sensor



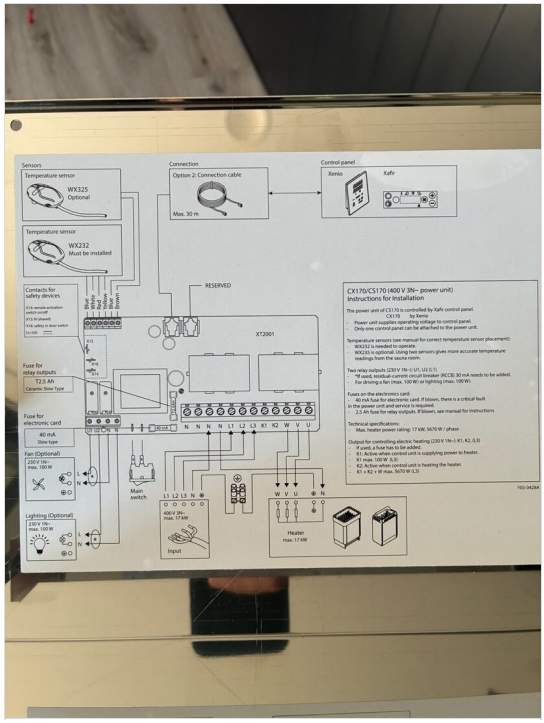
As-wired inside the XT2001B connection box: N/N/N (blue), L2/L3 (brown), U (brown). K1, K2, V unused in this install.

> **Verification Required**
> This installation varies depending on heater model. K1, K2, and V show no connected wire in this photo. Confirm terminal allocation against the wiring diagram supplied with the heater before energising the system.

Reference Diagram

Official CS170/CX170 power unit installation sheet.

Step 1 — Mount the Panel



CS170/CX170 (400V 3N power unit) — official installation diagram.

Step 1 — Mount the Panel

Flush-mount cutout: 84 x 118 mm, minimum 15 mm depth. Mount at 1000 mm (1 m) from the sauna floor — Innerlight standard.



Bracket fixed in place, cable fed through the wall opening.

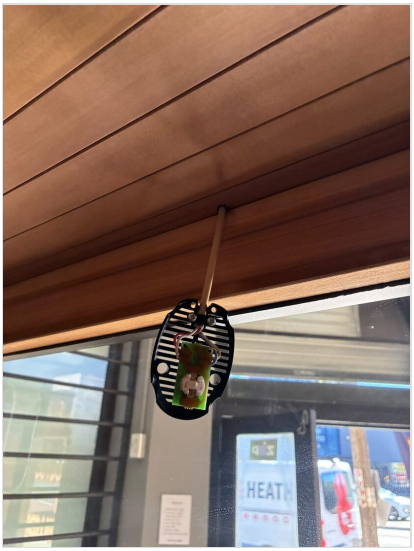


Panel rear view — RJ10 connector, ready to mount to the bracket.

> **Professional Tip**
> Double-check the 1 m height with a tape measure before cutting — it's the single most common install error.

Step 2 — Sensor, Cable, and RJ10

Step 2 & Step 3



WX232 sensor — ceiling, back wall



Sensor mounted and connected, roof corner



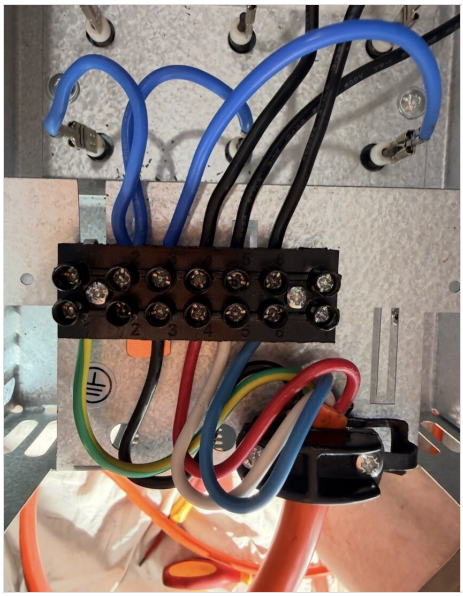
Cable — roof cavity, external corner

1. Mount the WX232 sensor on the ceiling, toward the back wall, away from the door and not directly above the heater. Recommended placement is in the back corner of the sauna, at the roof.
2. Route the RJ10 cable through the roof cavity, down the external corner, into the power unit box.
3. Confirm the main switch is off, then plug the RJ10 cable into the free X5/X6 socket on the XT2001B board.
4. Confirm the cable is secured, not pinched, before closing the enclosure.

> **Professional Tip**
> Leave an extra 300 mm of cable coiled inside the enclosure — it makes future servicing much easier.

Step 3 — Optional: Bypass the Heater's Onboard Dials

> It is recommended to bypass the control dials for a faster heating time.



Finished bypass connection — heater terminal block (1–7), all wires landed.

> **Verification Required**
> This installation varies depending on heater model. Confirm terminal allocation against the wiring diagram supplied with the heater before energising the system.

Step 4 & Step 5 — Commission and Connect

Step 4 — Power On and Commission

Two modes are offered on first power-up.

Start — runs the full setup wizard (recommended for a finished installation).

Test devices — verifies function without WiFi, for a handover check.

A1 (recommended): set up via the MyHarvia app. **A2**: set up manually on the panel.

Step 5 — Connect WiFi

Requires a 2.4 GHz network (802.11 b/g/n). Ports 8883, 443, 8443 must be open.

1. Scan the QR code on the panel, or search the app store, for the MyHarvia app.
2. Create an account, verify the emailed PIN, and add the "Fenix" device.
3. Pair via Bluetooth (phone within 5 m) and enter the WiFi password.

Verification Required

Remote operation (MyHarvia app) requires a fitted safety device — either the door sensor supplied with this FX002XW unit, or a safety switch on the heater. Confirm one is fitted and selected in the panel's safety-device setting before enabling remote start.

Danger

Any work on mains wiring, the heater's terminal block, or safety devices must only be carried out by a licensed electrician, in line with AS/NZS 3000.

Specification Reference

Item	Specification
Controller height	1000 mm AFFL — Innerlight standard (Harvia's own manual permits up to 1200 mm / 1500 mm; see p.9)
RJ10 cable	Max. 10 m, low-voltage, routed separately from mains
Heater clearance	500 mm (<7 kW) / 1000 mm (>7 kW)
Sensor	WX232 (required), ceiling-mounted toward back wall
Flush-mount cutout	84 x 118 mm, min. 15 mm depth
RJ10 socket	X5 or X6 on the XT2001B board
WiFi	2.4 GHz (802.11 b/g/n); ports 8883, 443, 8443 open

Finished Installation — Demfin Series

Photos of a completed Demfin installation. Use as a visual reference for panel and sensor positions.

Fenix Panel — Mounting Position



Fenix panel on the left, mounted about 1 m above the floor.

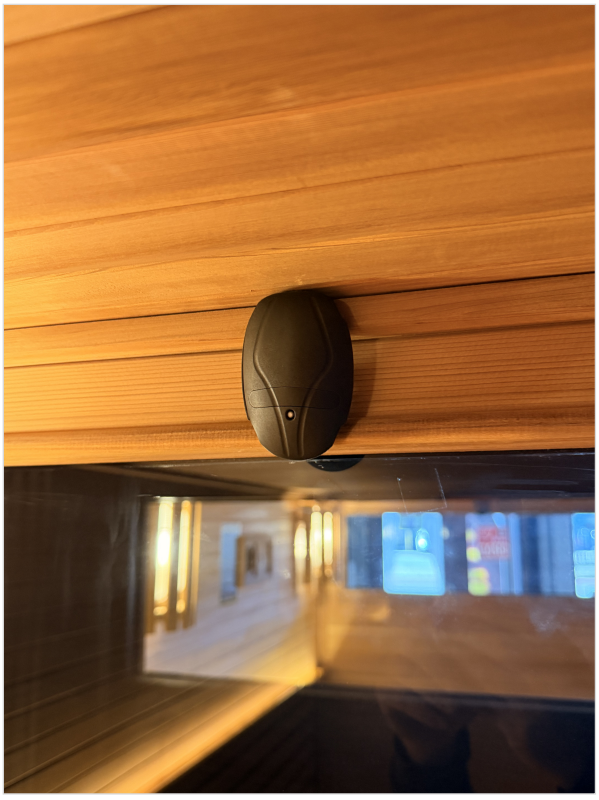


Panel close-up, flush-mounted on the cedar wall.

WX232 Sensor — Mounting Position



WX232 sensor in the top right of the ceiling.



Sensor close-up, fixed at the ceiling.

Commissioning Checklist

To be completed and signed by the installing electrician.

- [ ] Panel mounted at correct height and distance from heater
- [ ] WX232 sensor mounted correctly
- [ ] RJ10 connected and secured
- [ ] Heater powers on and heats correctly
- [ ] Temperature displays correctly on the panel
- [ ] WiFi connected, MyHarvia app paired

Installer name: _____

Signature: _____

Date: _____

Source: Harvia Fenix WiFi installation manual Y05-1424, Innerlight installation photos, and guidance provided directly by Harvia. Items marked Verify require electrician confirmation against the heater's own wiring diagram.

Revision History

Always check with Innerlight Sauna that you have the current version before relying on this guide.

Version	Date	Change
v1.0	July 2026	Initial release.