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> [VEMER VN160800 ECO.X-W Weekly Chronothermostat User Manual](#)

VEMER VN160800

VEMER VN160800 ECO.X-W Weekly Chronothermostat User Manual

Model: VN160800 | Brand: VEMER

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VEMER VN160800 ECO.X-W Weekly Chronothermostat. This battery-powered, wall-mounted device is designed to efficiently manage room temperature in heating systems, offering weekly programming capabilities to optimize energy consumption and comfort. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. PRODUCT OVERVIEW

The VEMER ECO.X-W chronothermostat features a user-friendly interface with a circular LCD display and intuitive controls.

Key Features:

- **Weekly Programming:** Set different time slots for each day of the week with 1-hour intervals.
- **Three Settable Temperatures:** Easily select comfort (sun icon) and save (moon icon) temperatures, plus a customizable manual mode temperature.
- **Clear LCD Display:** Shows detected temperature, current time, and active weekly schedule.
- **Battery Powered:** Operates on 2 AAA (1.5V) batteries, ideal for energy-efficient environments.
- **On/Off Adjustment:** Temperature adjustment with a 0.1°C measurement resolution and a range of 2°C to 30°C.
- **Wide Compatibility:** Compatible with gas, condensation, pellet boilers, heat pumps, and underfloor heating systems.
- **Wall Installation:** Designed for quick and easy wall mounting.

Product Dimensions and Wiring Diagram:



Image Description: This image displays three technical drawings of the VEMER ECO.X-W chronothermostat. The first drawing, labeled "Vista frontale" (Front View), shows the device's front face with its circular LCD display, control knobs, and overall dimensions (115mm width, 91mm height). The second drawing, labeled "Vista laterale" (Side View), illustrates the device's profile, including its depth (29mm when closed, 104mm when the flap is open) and height (91mm). The third drawing, labeled "Schema" (Wiring Diagram), provides a simplified representation of the electrical connections, showing terminals labeled 1, 2, and 3.

3. SETUP AND INSTALLATION

Proper installation is crucial for the chronothermostat's performance. It is recommended that installation be performed by a qualified technician.

3.1 Wall Mounting

- Choose a suitable location on an interior wall, away from direct sunlight, drafts, or heat sources that could affect temperature readings.
- Ensure the mounting surface is flat and stable.
- Use the provided installation kit to securely attach the chronothermostat to the wall. Refer to the detailed diagrams in the included user manual for precise mounting instructions.

3.2 Battery Installation

- Locate the battery compartment, typically on the rear or underside of the device.
- Insert two AAA (1.5V) alkaline batteries, ensuring correct polarity (+/-).
- Close the battery compartment cover securely. The device should power on and display initial settings.

3.3 Electrical Connection

The chronothermostat connects to your heating system via electrical wiring.

- **Safety First:** Always disconnect power to the heating system at the main circuit breaker before attempting any wiring.
- Access the wiring terminals by opening the designated panel on the chronothermostat (often hidden under a flap).
- Connect the heating system wires to terminals 1, 2, and 3 as indicated in the wiring diagram (refer to the "Schema" image above and the detailed diagram in your physical user manual).
- Ensure all connections are secure and properly insulated.
- Once wiring is complete, close the panel and restore power to the heating system.

4. OPERATING INSTRUCTIONS

The ECO.X-W chronothermostat offers various modes and settings for precise temperature control.

4.1 Setting Time and Day

Upon initial power-up or after battery replacement, you may need to set the current time and day of the week. Refer to the specific button combinations in your included manual for this procedure. The circular LCD display will show the current time.

4.2 Temperature Modes

The device allows you to select between different temperature settings:

- **Comfort Temperature (Sun Icon):** Use the "sun" button to activate or adjust the comfort temperature, typically for periods when you are home and require a warmer environment.
- **Save Temperature (Moon Icon):** Use the "moon" button to activate or adjust the save temperature, suitable for periods when you are away or sleeping, to conserve energy.
- **Manual Mode:** A third customizable temperature can be set for specific needs, overriding the programmed schedule temporarily.

4.3 Weekly Programming

The weekly programming feature allows you to define specific temperature settings for each hour of each day.

1. Access the programming menu (consult your physical manual for button sequence).
2. Select the day of the week you wish to program.
3. For each 1-hour interval, assign either the comfort, save, or manual temperature setting.
4. Repeat for all desired days and hours.
5. Save your settings and exit the programming mode. The display will show the active weekly schedule.

The circular LCD display will indicate the measured temperature, the current time, and the active programming status (e.g., comfort or save mode).

5. MAINTENANCE

The VEMER ECO.X-W chronothermostat requires minimal maintenance.

- **Cleaning:** Gently wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display. Use only AAA (1.5V) alkaline batteries.
- Ensure the device's vents (if any) are free from dust and obstructions to maintain accurate temperature sensing.

6. TROUBLESHOOTING

If you encounter issues with your chronothermostat, consider the following:

- **No Display/Device Not Powering On:** Check battery installation and ensure batteries are fresh.
- **Incorrect Temperature Readings:** Ensure the device is not exposed to direct sunlight, drafts, or heat sources.
- **Heating System Not Responding:** Verify electrical connections are secure. Check if the chronothermostat is in the correct operating mode (e.g., not in "off" or "save" mode when heat is desired). Ensure your heating system itself is functioning correctly.
- **Programming Issues:** Double-check your weekly schedule settings for accuracy.

For persistent issues or complex problems, please contact VEMER technical support.

7. SPECIFICATIONS

Model Name	ECO.X-W
Part Number	VN160800
Power Source	Battery Powered (2 x AAA 1.5V batteries)
Mounting Type	Wall Mount
Display Type	LCD (without backlight)
Control Type	Button Control, Knobs
Temperature Adjustment Range	2°C to 30°C
Measurement Resolution	0.1°C
Programming	Weekly, 1-hour intervals
Dimensions (Product)	4.53 x 1.14 x 3.58 inches (115 x 29 x 91 mm)
Item Weight	6.3 ounces (0.18 kg)
Material	Plastic
Compatibility	Boilers (gas, condensation, pellets), heat pumps, underfloor heating

8. WARRANTY AND SUPPORT

For any questions, technical assistance, or warranty inquiries regarding your VEMER ECO.X-W chronothermostat, please contact VEMER technical support.

- **Email Support:** assistenza.technica@vemer.it
- An experienced team is available to provide step-by-step assistance.

Please retain your proof of purchase for warranty purposes.