

Eberspächer 221000341500

Eberspächer Easystart 7-Day Timer Instruction Manual

Model: 221000341500

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Eberspächer Easystart 7-Day Timer. This control unit is designed to manage Eberspächer heating systems, offering programmable heating schedules and diagnostic capabilities. It is compatible with both 12V and 24V heater applications.

2. SAFETY INSTRUCTIONS

- Always disconnect the power supply to the heater system before performing any installation or maintenance work.
- Ensure all wiring connections are secure and correctly insulated to prevent short circuits or electrical hazards.
- Installation should be performed by qualified personnel familiar with vehicle electrical systems and Eberspächer heating products.
- Do not expose the timer unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Refer to the heater's specific instruction manual for additional safety guidelines related to the heating system itself.

3. PACKAGE CONTENTS

Upon unpacking, verify that all components are present:

- Eberspächer Easystart 7-Day Timer Control Unit
- Wiring Harness with Connectors
- Quick Start Guides / Documentation
- Mounting Accessories (e.g., screws, template)



This image displays the complete contents of the Eberspächer Easystart Timer package. It includes the main timer control unit, a wiring harness with connectors, two quick start guide booklets, and various mounting accessories such as screws and a template.

4. SETUP AND INSTALLATION

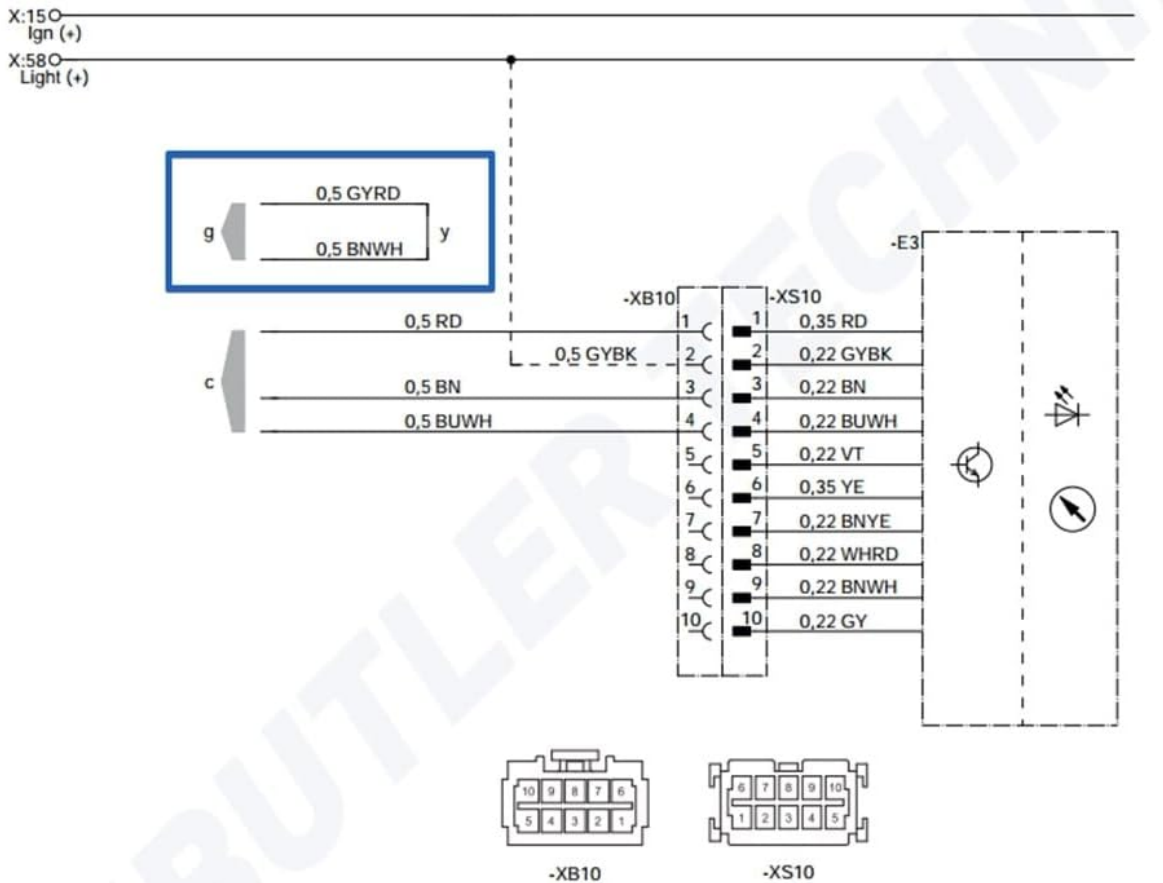
The Easystart 7-Day Timer connects to your Eberspächer heater system. Ensure compatibility with your specific heater model (e.g., Airtronic, Airtronic M, Airtronic L).

4.1 Wiring Connections

Refer to the provided circuit diagram for precise wiring instructions. The timer requires connections for power, ground, and communication with the heater unit. Pay close attention to the cable color codes.

CIRCUIT DIAGRAM

EasyStart Timer connection to Airtronic, Airtronic M, Airtronic L



22 1000 34 97 02

-E3 EasyStart Timer

c to the heater

g to the heater

y Connect cables and insulate

CABLE COLOURS

RD	red	GY	grey	BK	black
BU	blue	YE	yellow	GN	green
WH	white	VT	violet	BN	brown

This circuit diagram illustrates the wiring connections for the Eberspächer EasyStart Timer to various Airtronic heater models, including Airtronic, Airtronic M, and Airtronic L. It details the pin assignments for the XB10 and XS10 connectors and provides a color code legend for the wires (RD=red, BU=blue, GY=grey, YE=yellow, WH=white, VT=violet, BK=black, GN=green, BN=brown). Key connections are shown for ignition, light, and heater communication.



This image shows the Eberspächer EasyStart Timer control unit with its integrated wiring harness. The harness consists of multiple colored wires, each terminated with crimped connectors, ready for installation into the heater system. The timer unit itself features a display and control buttons.

4.2 Heater Compatibility

Some heater models may require specific configurations or accessories. Verify your heater's model and check for any 'H-Kit Symbol' or similar indicators that might be relevant for installation.



This close-up image shows a label on an Eberspächer Airtronic heater. An arrow points to the 'H-Kit Symbol', which is important for verifying compatibility with certain accessories or for specific installation requirements. The label also displays model information, voltage (12V), and power output (2.2 kW).

5. OPERATING INSTRUCTIONS

The Easystart 7-Day Timer allows you to control your Eberspächer heater with precision. The display shows current time, temperature, and operational status.



This image displays the Eberspächer EasyStart 7-Day Timer in operation. The screen shows the current time (13:14), ambient temperature (10°C), and various icons indicating operational status, such as a 'P' for program mode, signal strength, and fan activity. The timer unit has four control buttons for navigation and settings.

5.1 Basic Functions

- **Setting Time and Date:** Navigate through the menu using the arrow buttons to set the current time and date.
- **Manual Operation:** Activate or deactivate the heater manually for immediate heating.
- **Temperature Control:** Adjust the desired room temperature directly from the timer unit.

5.2 Programming a 7-Day Schedule

The 7-day timer function allows you to pre-set heating times for each day of the week. This feature is ideal for maintaining comfortable temperatures automatically.

1. Access the programming menu.
2. Select the desired day(s) of the week.
3. Set the start and end times for heating periods.
4. Confirm your settings to save the schedule.

5.3 Diagnostic Function

The timer unit includes a diagnostic function that can read fault codes from the connected Eberspächer heater. This assists in identifying and troubleshooting operational issues. Consult your heater's manual for a list of fault codes and their meanings.

6. MAINTENANCE

- **Cleaning:** Wipe the timer's display and casing with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- **Connection Check:** Periodically inspect all wiring connections to ensure they remain secure and free from corrosion.
- **Software Updates:** Check with Eberspächer or an authorized service center for any available software updates for the timer unit.

7. TROUBLESHOOTING

If your Eberspächer Easystart 7-Day Timer or connected heater is not functioning as expected, consider the following:

- **No Display/Power:** Check the power supply and wiring connections to the timer unit. Ensure the vehicle's battery has sufficient charge.
- **Heater Not Starting:** Verify that the timer is set to an active heating period or is manually activated. Check for any fault codes displayed on the timer.
- **Incorrect Temperature Reading:** Ensure the timer's temperature sensor is not obstructed or exposed to external heat sources.
- **Fault Codes:** Use the diagnostic function to read any displayed fault codes. Refer to your heater's specific manual for detailed explanations of these codes and recommended solutions.

For persistent issues, contact an authorized Eberspächer service center.

8. SPECIFICATIONS

Model Number	221000341500
Brand	Eberspächer
Color	Black
Material	Plastic
Product Dimensions	0.47"D x 3.23"W x 1.46"H
Item Weight	8.4 ounces
Voltage Compatibility	12V or 24V systems

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your Eberspächer Easystart 7-Day Timer or contact an authorized Eberspächer dealer or service center. Keep your proof of purchase for warranty claims.