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WERMA 698.220.75

WERMA Kompakt 37 Signal Tower Plug Instruction Manual

Model: 698.220.75

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1. INTRODUCTION

This manual provides essential information for the safe and efficient use of the WERMA Kompakt 37 Signal Tower Plug, Model 698.220.75. This device is designed for industrial signaling applications, featuring green and red LED permanent light indicators. Please read this manual thoroughly before installation and operation.

2. SAFETY INFORMATION

- **WARNING:** Disconnect power before installation, maintenance, or troubleshooting to prevent electric shock.
- Installation must be performed by qualified personnel in accordance with all local and national electrical codes.
- Ensure the power supply voltage matches the device's specified voltage (24 V AC/DC).
- Do not expose the device to excessive moisture, dust, or extreme temperatures beyond its operating range.
- Do not modify the device. Unauthorized modifications may void the warranty and create safety hazards.
- Always use appropriate personal protective equipment (PPE) during installation and maintenance.

3. PRODUCT OVERVIEW

The WERMA Kompakt 37 Signal Tower Plug (Model 698.220.75) is a compact signal tower designed for clear visual status indication. It features a green and red LED permanent light, operating on a 24 V AC/DC power supply.





Figure 1: WERMA Kompakt 37 Signal Tower Plug. This image displays the signal tower with its distinct green and red light segments, indicating its compact design and visual signaling capabilities.

Key Features:

- Pre-assembled signal tower with max. 5 tiers (this specific model is a plug, implying it's part of a modular system).
- LED permanent light for reliable, long-lasting indication.
- Available with M12 plug or cable connection (this model is a plug type).
- Compact design with a diameter of 37.5 mm and a height of 140.5 mm.
- Operates on 24 V AC/DC.

4. SETUP AND INSTALLATION

Before proceeding, ensure all safety precautions are followed and power is disconnected.

1. **Unpacking:** Carefully remove the signal tower plug from its packaging. Inspect for any visible damage.
2. **Mounting:** The Kompakt 37 plug is designed to integrate into a compatible base or system. Ensure the mounting surface or connection point is stable and secure.
3. **Electrical Connection:**
 - Identify the M12 plug connector on the signal tower.
 - Connect the M12 plug to the corresponding M12 socket on your control unit or power supply. Ensure the connection is firm and secure.
 - Verify that the power supply provides 24 V AC/DC. Incorrect voltage can damage the device.
4. **Final Check:** After connection, double-check all wiring and mounting for correctness and security before restoring power.

5. OPERATING INSTRUCTIONS

The WERMA Kompakt 37 Signal Tower Plug operates as a visual indicator. Once properly installed and connected to a 24 V AC/DC power source, the LED permanent lights will illuminate according to the input signals from your control system.

- **Power On:** Apply 24 V AC/DC power to the connected M12 socket.
- **Signal Indication:** The green and red LED segments will illuminate permanently based on the control signals received. Refer to your system's documentation for specific signal assignments (e.g., green for "operational," red for "fault").
- **Permanent Light:** This model provides a steady, continuous light output, suitable for constant status indication.

6. MAINTENANCE

The WERMA Kompakt 37 Signal Tower Plug is designed for low maintenance. Regular inspection and cleaning will ensure optimal performance and longevity.

- **Cleaning:**
 - Disconnect power before cleaning.
 - Wipe the exterior of the signal tower with a soft, damp cloth.
 - Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the housing.
- **Inspection:**
 - Periodically check the M12 connection for tightness and signs of corrosion.
 - Inspect the housing for any cracks or damage.
 - Ensure the signal tower is securely mounted.
- **LED Longevity:** The LED lights are designed for long operational life and typically do not require replacement.

7. TROUBLESHOOTING

If you encounter issues with your WERMA Kompakt 37 Signal Tower Plug, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Signal tower does not illuminate.	No power supply. Incorrect voltage. Loose M12 connection. Faulty control signal.	Check power supply to the M12 socket. Verify power supply is 24 V AC/DC. Ensure M12 plug is securely connected. Check control system output for correct signaling.
Only one color illuminates.	Control signal issue. Internal fault (rare).	Verify the control signals for both green and red indicators. If signals are correct and one color still fails, contact WERMA support.

Problem	Possible Cause	Solution
Intermittent illumination.	Loose connection. Unstable power supply.	Check M12 connection for tightness. Ensure power supply is stable and within specifications.

If the problem persists after attempting these solutions, please contact WERMA customer support.

8. SPECIFICATIONS

- **Model Number:** 698.220.75
- **Product Type:** Kompakt 37 Signal Tower Plug
- **Light Type:** LED Permanent Light
- **Colors:** Green/Red
- **Operating Voltage:** 24 V AC/DC
- **Diameter:** 37.5 mm
- **Height:** 140.5 mm
- **Product Dimensions:** 19.69 x 19.69 x 11.02 inches (Packaging/Shipping dimensions)
- **Item Weight:** 0.16 ounces
- **Manufacturer:** Werma (Shanghai) Co., Ltd.
- **ASIN:** B00LGDP6UO
- **Date First Available:** June 12, 2014

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your WERMA Kompakt 37 Signal Tower Plug, please contact WERMA customer service or your authorized distributor. Keep your purchase receipt as proof of purchase.

Manufacturer: Werma (Shanghai) Co., Ltd.

For further assistance, visit the official WERMA website or consult your local WERMA representative.