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› [Legrand Double Pre-wired Socket 2x2P+T 16A 250V~ Waterproof Plexo Grey IP55 IK08 Instruction Manual](#)

Legrand 3414971882614

Legrand Double Pre-wired Socket 2x2P+T 16A 250V~ Waterproof Plexo Grey IP55 IK08 Instruction Manual

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1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient installation, operation, and maintenance of your Legrand Double Pre-wired Socket. This product is designed for surface mounting and offers robust protection with an IP55 rating for dust and water resistance, and an IK08 rating for impact resistance, making it suitable for various environments.

2. SAFETY INFORMATION

WARNING: Electrical installations must be carried out by a qualified electrician in accordance with national and local wiring regulations. Failure to follow these instructions can result in electric shock, fire, or serious injury.

- Always disconnect power at the main circuit breaker before performing any work on the electrical system.
- Ensure the product is suitable for the intended environment and load.
- Do not modify the product in any way.
- Keep children away from electrical installations.
- Verify all connections are secure and correct before restoring power.
- The IP55 rating ensures protection against dust and low-pressure water jets. The IK08 rating indicates protection against 5 joules of impact.

3. PRODUCT OVERVIEW

The Legrand Double Pre-wired Socket (Model: 3414971882614) is a robust electrical outlet designed for demanding applications. It features two 2P+T (2 Pole + Earth) sockets, pre-wired for convenience, and is rated for 16A at 250V~. Its grey Plexo design ensures durability and resistance to environmental factors.

3.1. Components Included

- Plexo New FRUP Socket with protective contact (Double Pre-wired Socket)

3.2. Product Views



Figure 1: Top-down view of the Legrand Double Pre-wired Socket with protective covers open, showing the two 2P+T outlets. This view highlights the robust construction and the IP55 marking.



Figure 2: Angled view of the Legrand Double Pre-wired Socket with protective covers open. This perspective shows the side profile and the overall compact design suitable for surface mounting.

4. SETUP & INSTALLATION

This section details the steps for installing your Legrand Double Pre-wired Socket. Ensure all safety precautions are followed before beginning.

4.1. Tools Required

- Screwdriver (appropriate size for terminals and mounting screws)
- Wire strippers
- Drill (for mounting, if necessary)
- Spirit level
- Pencil

4.2. Mounting the Socket

1. **Disconnect Power:** Turn off the power supply at the main circuit breaker to the circuit where the socket will be installed. Verify with a voltage tester.
2. **Positioning:** Choose a suitable location for surface mounting. Mark the drilling points for the mounting screws using the socket base as a template.
3. **Drill Holes:** Drill pilot holes if required, ensuring they are appropriate for your mounting surface and screws.
4. **Secure Base:** Attach the socket base securely to the wall or surface using appropriate screws. Ensure it is level.

4.3. Wiring Connections

The Legrand Double Socket is pre-wired, simplifying the connection process. You will connect the main power supply to the designated terminals.

1. **Prepare Cables:** Route the electrical cables to the socket location. Strip the outer sheath and insulation from the individual conductors (Phase, Neutral, Earth) to the length specified in the product documentation or by the terminal design. *Note: Some users recommend a slightly longer stripping length for these terminals compared to standard Wago connectors.*
2. **Connect Wires:**
 - Connect the Phase (Live) wire to the 'L' terminal.
 - Connect the Neutral wire to the 'N' terminal.
 - Connect the Earth (Ground) wire to the 'PE' or Earth symbol terminal.

Ensure all wires are fully inserted and securely clamped in their respective terminals.

3. **Seal Entry Points:** Ensure cable entry points are properly sealed to maintain the IP55 rating.
4. **Close Cover:** Carefully close the front cover of the socket, ensuring no wires are pinched. Secure it with the provided screws.
5. **Restore Power:** Once installation is complete and verified, restore power at the main circuit breaker.

5. OPERATING INSTRUCTIONS

Operating the Legrand Double Pre-wired Socket is straightforward.

1. **Open Cover:** Lift the protective cover of the desired socket.
2. **Insert Plug:** Insert the plug of your electrical appliance into the socket. Ensure it is fully seated.
3. **Close Cover (Optional):** For continued IP55 protection, ensure the protective cover is closed when no plug is inserted or when the plug is inserted and the cover can still close around the cable (if designed for this). The "Schieber" (slider) mechanism helps maintain tightness when a plug is connected.
4. **Remove Plug:** To disconnect, firmly pull the plug from the socket.

Note: Always ensure the appliance connected does not exceed the socket's maximum rating of 16A, 250V~.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Legrand socket.

- **Cleaning:** Clean the exterior of the socket with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the protective covers are free from dirt and debris to maintain proper sealing.
- **Inspection:** Periodically inspect the socket for any signs of damage, such as cracks, discoloration, or loose components. Check the integrity of the seals and cable glands.
- **Connection Check:** If accessible and safe to do so (with power disconnected), periodically check the tightness of the terminal connections.

- **Environmental Protection:** Ensure the protective covers are closed when the socket is not in use to maintain its IP55 rating against dust and water.

7. TROUBLESHOOTING

If you encounter issues with your Legrand Double Pre-wired Socket, refer to the following common troubleshooting steps.

Problem	Possible Cause	Solution
No power from the socket.	◦ Circuit breaker tripped. ◦ Loose wiring connection. ◦ Faulty appliance.	◦ Check and reset the circuit breaker. ◦ <i>With power disconnected:</i> Check all wiring connections for tightness. ◦ Test the appliance in another known working socket.
Socket feels warm.	◦ Overloaded circuit. ◦ Loose connection.	◦ Disconnect some appliances. Ensure total load does not exceed 16A. ◦ <i>With power disconnected:</i> Check all wiring connections for tightness. If problem persists, consult a qualified electrician.
Protective cover does not close properly.	◦ Obstruction. ◦ Damage to hinge or latch.	◦ Clear any debris or foreign objects. ◦ Inspect for physical damage. If damaged, the IP55 rating may be compromised, and replacement may be necessary.

If the problem persists after attempting these solutions, contact a qualified electrician or Legrand customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	Legrand
Model Number	3414971882614
Type	Double Pre-wired Socket 2x2P+T
Current Rating	16 A
Voltage Rating	250 V~
Material	Plastic
Color	Grey
Ingress Protection (IP) Rating	IP55 (Dust protected, protected against low-pressure water jets from any direction)
Impact Protection (IK) Rating	IK08 (Protected against 5 joules of impact)
Mounting Type	Surface mounting

Feature	Detail
Weight	270 Grams
Components Included	Plexo New FRUP Socket with protective contact
Country of Origin	Germany

9. WARRANTY & SUPPORT

For warranty information and technical support, please refer to the official Legrand website or contact your local Legrand distributor. Keep your purchase receipt as proof of purchase.

You can visit the Legrand store on Amazon for more products and information:[Legrand Amazon Store](#)

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