

HUBER AK3-AT1-GL-M-X

HUBER Surface-Mounted Push Button

INSTRUCTION MANUAL

1. Introduction

Thank you for choosing the HUBER Surface-Mounted Push Button. This high-quality doorbell button is crafted from chrome-plated brass, ensuring strong resistance to scratches and vandalism. It features a large nameplate with integrated LED backlighting for excellent visibility in all conditions. Designed for straightforward installation, this product is suitable for both indoor and outdoor applications.

Key Features:

- **Durable Construction:** Made from high-quality chrome-plated brass for longevity.
- **Easy Installation:** Equipped with screw contacts for quick and hassle-free mounting.
- **Illuminated Nameplate:** Features a high-quality LED backlight, ensuring the nameplate is easily visible and readable in the dark.
- **Optimal Switching Capacity:** Supports a maximum switching capacity of 12V and 2A.
- **Complete Package:** Includes screws and plugs for immediate installation.

2. Safety Instructions

Please read these safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Electrical Safety:** Installation should only be performed by a qualified electrician or a person with sufficient electrical knowledge. Always disconnect power to the circuit before beginning any installation work.
- **Voltage and Current:** Ensure the power supply to the doorbell system does not exceed the specified maximum switching capacity of 12V and 2A.
- **Environmental Conditions:** The product is rated IP54, suitable for indoor and outdoor use. However, avoid direct exposure to extreme weather conditions or submersion in water.

- **Children:** Keep packaging materials and small parts away from children.

3. Package Contents

Verify that all components are present in the package:

- 1 x HUBER Surface-Mounted 1-Way Push Button with Large Polycarbonate Nameplate
- Mounting Screws
- Wall Plugs

4. Setup and Installation

Follow these steps for proper installation of your HUBER push button.

1. **Prepare the Mounting Surface:** Choose a flat, stable surface for installation. Ensure there is sufficient space for the unit (refer to dimensions in Section 7).
2. **Remove Nameplate Cover:** Carefully remove the transparent nameplate cover to access the mounting holes. This cover is typically held by an interlocking mechanism.
3. **Mark Drilling Points:** Place the push button unit on the desired mounting location. Use a pencil to mark the positions for the two mounting screws. Refer to the internal dimensions image for screw hole placement.
4. **Drill Holes:** Drill holes at the marked positions using an appropriate drill bit for your wall material. Insert the provided wall plugs into the drilled holes.
5. **Wiring:** Connect the doorbell wiring to the screw terminals located on the back of the unit. The push button requires a power source between 8V and 12V (AC or DC) for both the button function and the LED illumination. Ensure correct polarity if using DC.
6. **Mount the Unit:** Secure the push button to the wall using the provided screws. Tighten firmly but do not overtighten.
7. **Insert Nameplate:** Write your name or house number on a piece of paper and insert it into the nameplate slot.
8. **Replace Nameplate Cover:** Carefully reattach the transparent nameplate cover until it clicks into place.
9. **Test Functionality:** Restore power to the circuit and test the doorbell button to ensure it functions correctly and the LED backlight illuminates.



Figure 4.1: Back view of the push button with internal wiring terminals and mounting points. Dimensions for screw placement are indicated.

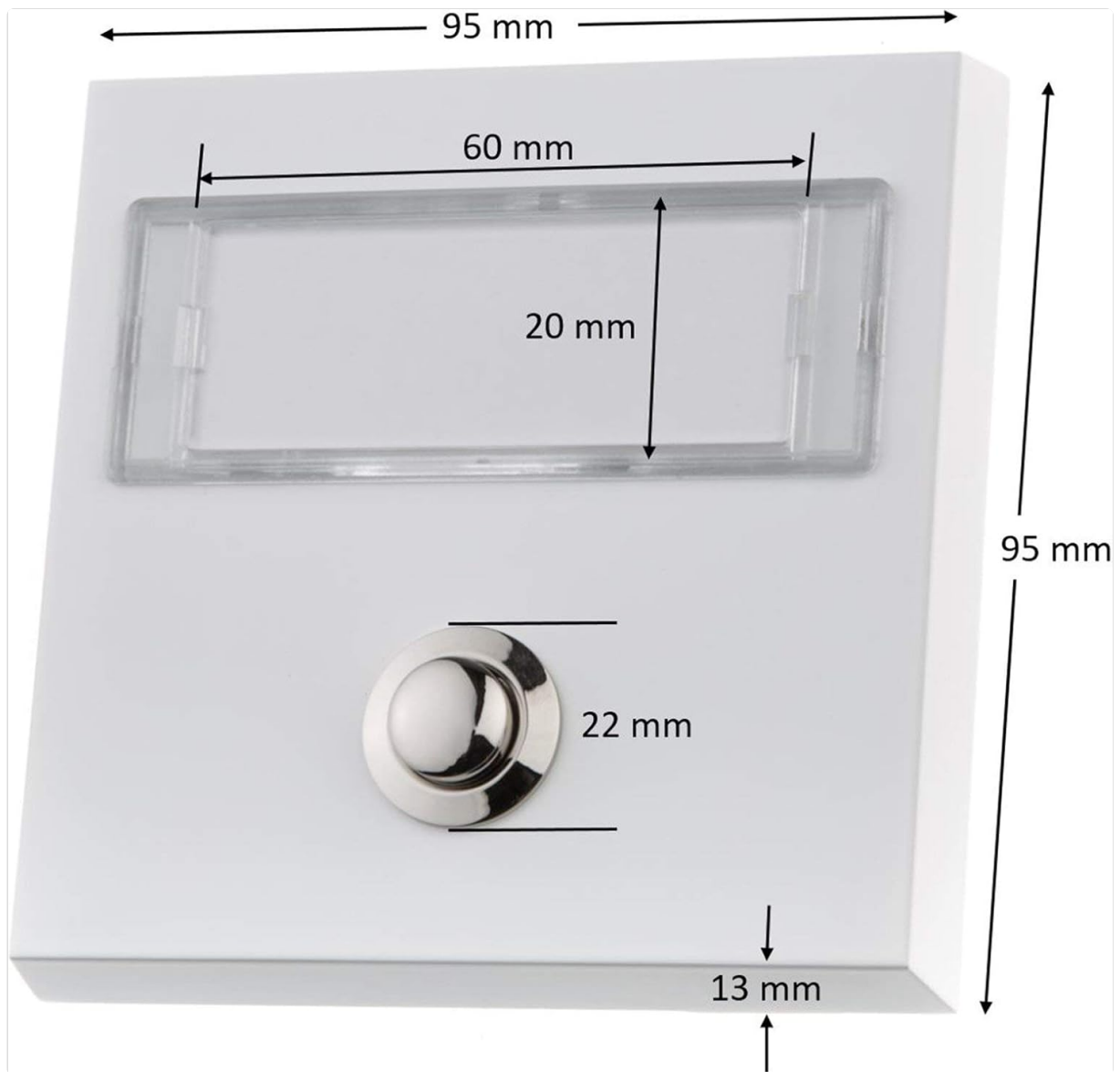


Figure 4.2: Front view of the push button showing overall dimensions (95mm x 95mm) and nameplate/button dimensions.

5. Operating Instructions

Operating the HUBER push button is straightforward:

- **Activating the Doorbell:** Press the chrome-plated push button firmly. This will activate your connected doorbell chime.
- **LED Illumination:** The integrated LED backlight for the nameplate will illuminate when power is supplied to the unit, providing continuous visibility of the nameplate, especially in low-light conditions.



Figure 5.1: The push button with its nameplate illuminated by the integrated LED backlight, enhancing visibility in the dark.

6. Maintenance

The HUBER push button is designed for minimal maintenance. To ensure its longevity and appearance:

- **Cleaning:** Wipe the surface with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the chrome finish or the polycarbonate nameplate.
- **Inspection:** Periodically check the mounting screws for tightness and ensure the nameplate cover is securely in place.
- **Weather Protection:** While the product is IP54 certified for outdoor use, consider adding a small silicone seal around the edges during installation in very exposed outdoor locations to further protect against moisture ingress, as suggested by some users.



Figure 6.1: The push button demonstrating its IP54 weather resistance with water droplets on its surface.

7. Troubleshooting

If you encounter issues with your HUBER push button, refer to the following common problems and solutions:

- **Doorbell Does Not Chime:**
 - Check the power supply to your doorbell system.
 - Verify all wiring connections at the push button and the chime unit are secure and correct.
 - Ensure the push button itself is not stuck or damaged.
- **LED Nameplate Does Not Light Up:**
 - Confirm that the power supply to the unit is active and within the 8V-12V range.
 - Check the LED wiring connections at the terminals.
 - Inspect the LED for any visible damage.
- **Nameplate Gets Wet/Condensation Inside:**
 - Ensure the transparent nameplate cover is securely seated and properly interlocked.
 - For highly exposed outdoor installations, consider applying a thin bead of silicone sealant around the edges of the unit where it meets the wall during installation to enhance water resistance.

8. Specifications

Attribute	Value
Manufacturer	HUBER

Attribute	Value
Part Number	12067
Model Number	AK3-AT1-GL-M-X
Package Dimensions	12.95 x 10.41 x 3.56 cm
Weight	200 g
Size	One Size
Color	7th white, large nameplate with LED illumination
Material	Chrome-plated brass
Voltage	42 Volt (Max. switching capacity 12V)
Current	2 Ampere
Switch Type	1-way
Mounting Profile	Wall Mount
Switch Style	Push Button
Certification	CE, IP54
Usage	Suitable for indoor and outdoor use
Light Type	LED

9. Warranty and Support

HUBER products are manufactured to high-quality standards. For any questions, technical assistance, or warranty claims, please contact your retailer or the HUBER customer support directly. Please have your product model number (AK3-AT1-GL-M-X) and purchase information ready when contacting support.
