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GIRA 542300

Gira 542300 eNet Radio Switching/Push-button Actuator 1-gang Mini User Manual

Model: 542300 | Brand: GIRA

1. Product Overview

The Gira 542300 eNet Radio Switching/Push-button Actuator 1-gang Mini is a compact device designed for wireless control of lighting. It integrates seamlessly into the Gira eNet system, offering flexible installation options and advanced control features for smart home environments.



This image shows the Gira eNet Radio Switching/Push-button Actuator Mini 1-gang. The circular device features connection terminals labeled N, L, and A1 at the bottom. Towards the top, it indicates AC 230V, 50/60Hz, and 10A. A 'Prog' button and an 'ON/OFF' button are visible for configuration and manual control. A PC connection symbol is also present.

2. Features

- Enables wireless switching of lighting.
- Supports two operating modes: **Switching Actuator** or **Push-button Actuator**.
- Provides status feedback to eNet radio transmitters.
- Supports scene operation for integrated control.
- In push-button mode, the relay contact remains closed for up to 60 seconds as long as telegrams are received.
- Adjustable settings via eNet-Server include:
  - Blink function
  - Run-on time

    - Switch-on/off delay
    - Switch-off pre-warning
    - Minimum switching repeat time
    - Operating locks
    - Continuous On/Off
    - Device software update
    - Repeater function
- Durable and high-quality construction.

3. Setup and Installation

The Gira 542300 actuator is designed for flexible installation in various environments. Ensure power is disconnected before beginning any installation work.

3.1 Mounting Options

- **In Device Box:** The compact design allows for installation directly within standard electrical device boxes.
- **Surface-Mounted Housing:** Can be installed in a suitable surface-mounted housing for applications where flush mounting is not possible.
- **Installation Adapter 5429 00:** Compatible with the Gira installation adapter 5429 00 for specific mounting requirements.

3.2 Electrical Connection

Connect the device according to the wiring diagram provided on the unit and in compliance with local electrical regulations. The terminals are labeled N (Neutral), L (Live), and A1 (Switched Output).

3.3 Initial Setup with eNet Server

For full functionality and configuration of advanced features, the actuator must be integrated and configured using the Gira eNet Server. Refer to the eNet Server documentation for detailed pairing and programming instructions. The 'Prog' button on the device is used for pairing with the eNet system.

4. Operating Instructions

Once installed and configured, the Gira 542300 actuator can be operated via eNet radio transmitters, the eNet Server interface, or directly using the ON/OFF button on the device.

4.1 Manual Operation

- **ON/OFF Button:** Press the ON/OFF button on the device to manually toggle the connected load.
- **Prog Button:** This button is primarily for system programming and pairing. Avoid pressing it during normal operation unless instructed for specific configuration tasks.

4.2 eNet System Operation

The primary method of operation is through the Gira eNet system. This includes:

- **eNet Radio Transmitters:** Use paired eNet wall transmitters or remote controls to switch the connected lighting.
- **eNet Server Interface:** Control and monitor the actuator via the eNet Server's user interface, accessible through a web browser or dedicated app. This allows for setting up scenes, timers, and advanced automation.

- **Scene Operation:** Integrate the actuator into predefined scenes to control multiple devices simultaneously with a single command.

5. Maintenance

The Gira 542300 eNet Actuator is designed for long-term, maintenance-free operation. Follow these general guidelines to ensure its longevity:

- **Cleaning:** Clean the device surface with a soft, dry cloth. Do not use abrasive cleaners, solvents, or excessive moisture.
- **Environmental Conditions:** Ensure the device operates within its specified temperature range (-25 °C to +70 °C) and is protected from direct moisture and extreme dust.
- **Software Updates:** Periodically check for and apply software updates via the eNet Server to ensure optimal performance and access to new features.

6. Troubleshooting

If you experience issues with your Gira 542300 eNet Actuator, consider the following common troubleshooting steps:

- **No Power:** Check the electrical connections (N, L) and ensure the circuit breaker is on. Verify the nominal voltage of AC 230 V, 50/60 Hz.
- **No Response from eNet Transmitter:**
  - Ensure the transmitter is correctly paired with the actuator via the eNet Server.
  - Check the distance between the transmitter and actuator; the maximum range is approximately 100 m in open field, but can be significantly reduced by walls and obstacles.
  - Verify that the eNet Server is operational and configured correctly.
- **Load Not Switching:**
  - Ensure the connected load does not exceed the maximum connection power (e.g., 2300 W for incandescent lamps, 16 A switching capacity).
  - Check the wiring to the load (A1 terminal).
- **Intermittent Operation:** This could be due to radio interference. Ensure the actuator is not placed near large metal objects or other strong radio sources. The repeater function can be enabled via the eNet Server to improve signal reliability.
- **Device Reset:** If issues persist, a factory reset might be necessary. Consult the eNet Server documentation or Gira support for the specific procedure, as this will erase all configurations.

7. Technical Specifications

Parameter	Value
Nominal Voltage	AC 230 V, 50/60 Hz
Standby Power	max. 0.5 W
Temperature Range	-25 °C to +70 °C
Switching Capacity AC 230 V	16 A / AC 1

Parameter	Value
Connection Power (Resistive Load)	2300 W (Incandescent lamps)
Connection Power (HV-Halogen)	1500 W
Connection Power (LV-Halogen, wound transformer)	1000 VA
Connection Power (LV-Halogen, Gira Tronic transformer)	1500 W
Connection Power (Fluorescent lamps, uncompensated)	920 VA
Connection Power (Capacitive Load)	690 VA (560 µF)
Radio Frequency	868.3 MHz
Range (Open Field)	approx. 100 m
Device Dimensions (Diameter x Height)	ø 53 x 28 mm
Product Dimensions (from specifications)	45 x 36 x 36 cm
Item Weight	9.07 g
Model Number	542300

8. Warranty and Support

GIRA products are manufactured to high-quality standards. For information regarding warranty terms and conditions, please refer to the official GIRA website or contact your local GIRA distributor.
For technical support, troubleshooting assistance, or inquiries about spare parts, please contact GIRA customer service or an authorized GIRA service partner. Always provide your product's model number (542300) when seeking support.

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