

deleyCON MK899

deleyCON MK899 Infrared Motion Detector User Manual

Model: MK899

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your deleyCON MK899 Infrared Motion Detector. This device is designed for indoor use to automatically control lighting based on detected movement and ambient light levels. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. SAFETY INSTRUCTIONS

- Installation must be performed by a qualified electrician in accordance with local electrical codes and regulations.
- Disconnect power at the circuit breaker before installing or servicing the device.
- Do not install in areas with high humidity or direct water exposure (IP20 rating: suitable for indoor, dry environments only).
- Ensure the supply voltage matches the specifications of the motion detector.
- Do not open the device housing or attempt to modify the internal components.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1x deleyCON Infrared Motion Detector (MK899)
- 1x User Manual
- 2x Screws with dowels for mounting

4. PRODUCT OVERVIEW

The deleyCON MK899 motion detector features a compact design for ceiling surface mounting. It includes

adjustable settings for light duration and ambient light sensitivity.

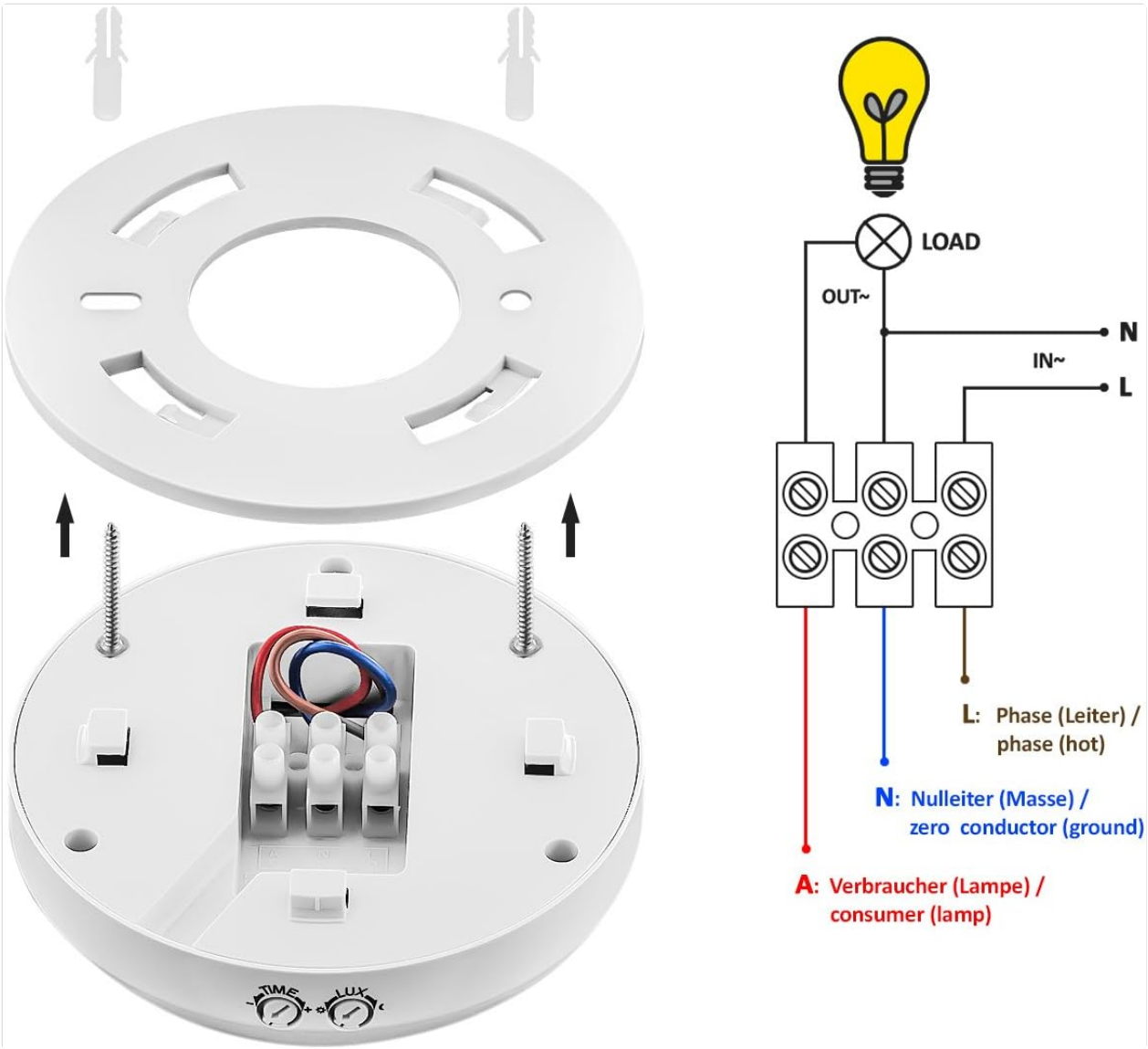


Image 1: Close-up view of the motion detector's sensor, adjustment dials, and control LED. The dials are labeled 'TIME' for light duration and 'LUX' for light sensitivity.

- 1. **Sensor:** Detects infrared radiation from moving objects.
- 2. **TIME Adjustment Dial:** Controls the duration the light remains on after motion detection.
- 3. **LUX Adjustment Dial:** Sets the ambient light threshold for activation.
- 4. **Control Lamp (LED):** Indicates motion detection and operational status.

5. SPECIFICATIONS

Feature	Specification
Model Number	MK899
Brand	deleyCON
Product Dimensions (L x W x H)	11.5 x 11.5 x 5.8 cm

Feature	Specification
Weight	161 Grams
Color	White
Power Type	AC (Alternating Current)
Mounting Type	Surface Mount (Ceiling)
Detection Angle	360°
Maximum Detection Range	6 Meters
Protection Class	IP20 (Indoor Use)
Adjustable Light Duration (TIME)	10 seconds to 7 minutes
Adjustable Ambient Brightness (LUX)	Yes
Compatible Devices	Lights (Lamps, LEDs)
Operating Temperature Range	60 Degrees Celsius (Note: This value seems unusually high for an operating range. Please refer to product packaging for exact operating temperature limits.)

6. SETUP AND INSTALLATION

The deleyCON MK899 is designed for surface mounting on ceilings. Ensure power is disconnected before proceeding.

6.1 Mounting the Device

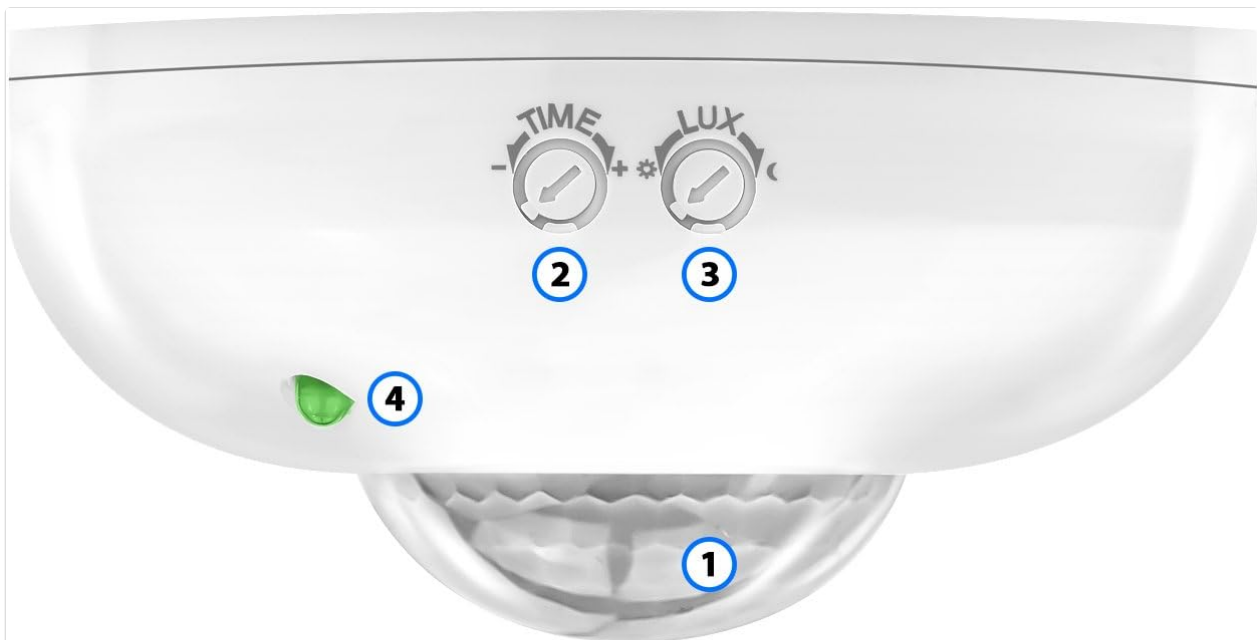
1. Separate the mounting plate from the main unit by twisting or unlatching as indicated by the device design.
2. Position the mounting plate on the desired ceiling location. Mark the drilling points through the holes on the plate.
3. Drill holes at the marked positions and insert the provided dowels.
4. Secure the mounting plate to the ceiling using the provided screws.




Image 2: Rear view of the motion detector, illustrating the detachable mounting plate and the internal wiring terminals.


6.2 Wiring Diagram


Follow the wiring diagram carefully. Incorrect wiring can damage the device or connected lights.




 1. Sensor
 2. Leuchtdauer
 3. Lichtempfindlichkeit
 4. Kontrolllampe (LED)


 1. sensor
 2. lighting time
 3. photosensitivity
 4. control lamp (LED)


 1. capteur
 2. durée de combustion
 3. photosensibilité
 4. voyant de contrôle (LED)


 1. sensor
 2. tiempo de iluminación
 3. fotosensibilidad
 4. lámpara de control (LED)



 1. sensor
 2. tempo di combustione
 3. fotosensibilità
 4. spia di controllo (LED)

Image 3: Wiring schematic for the motion detector. Connect the Live (L) and Neutral (N) input wires, and the Load (A) output wire to the light fixture. The diagram shows L (Phase/Hot), N (Neutral/Ground), and A (Consumer/Lamp).

- Connect the Live (L) wire from your power supply to the 'IN~ L' terminal.
- Connect the Neutral (N) wire from your power supply to the 'IN~ N' terminal.
- Connect the Live wire of your light fixture (Load) to the 'OUT~ LOAD' terminal.
- Connect the Neutral wire of your light fixture to the 'IN~ N' terminal (shared with incoming neutral).

After wiring, attach the main unit to the mounting plate, ensuring it is securely fastened.

7. OPERATING INSTRUCTIONS

Once installed and powered, the motion detector will enter a warm-up period (typically 30-60 seconds) during which it may activate randomly. After this, it will be ready for operation and adjustment.

7.1 Adjusting Light Duration (TIME)

The 'TIME' dial controls how long the connected light remains on after motion is detected and the detection zone is clear. Rotate the dial to set the desired duration:

- '-' (**Minimum**): Approximately 10 seconds.
- '+' (**Maximum**): Approximately 7 minutes.

7.2 Adjusting Ambient Light Sensitivity (LUX)

The 'LUX' dial determines the ambient light level at which the motion detector will activate. This prevents the light from turning on during daylight hours when not needed.

- '☀' (**Sun Symbol - Maximum**): The detector will activate regardless of ambient light (day and night).
- '☾' (**Moon Symbol - Minimum**): The detector will only activate in very low light conditions (dusk/night).

Adjust the dial to your preferred setting. For testing, set it to the 'Sun' symbol to ensure functionality during daylight.

7.3 Detection Area

The deleyCON MK899 offers a 360° detection angle with a maximum range of 6 meters, ideal for comprehensive coverage in indoor spaces.

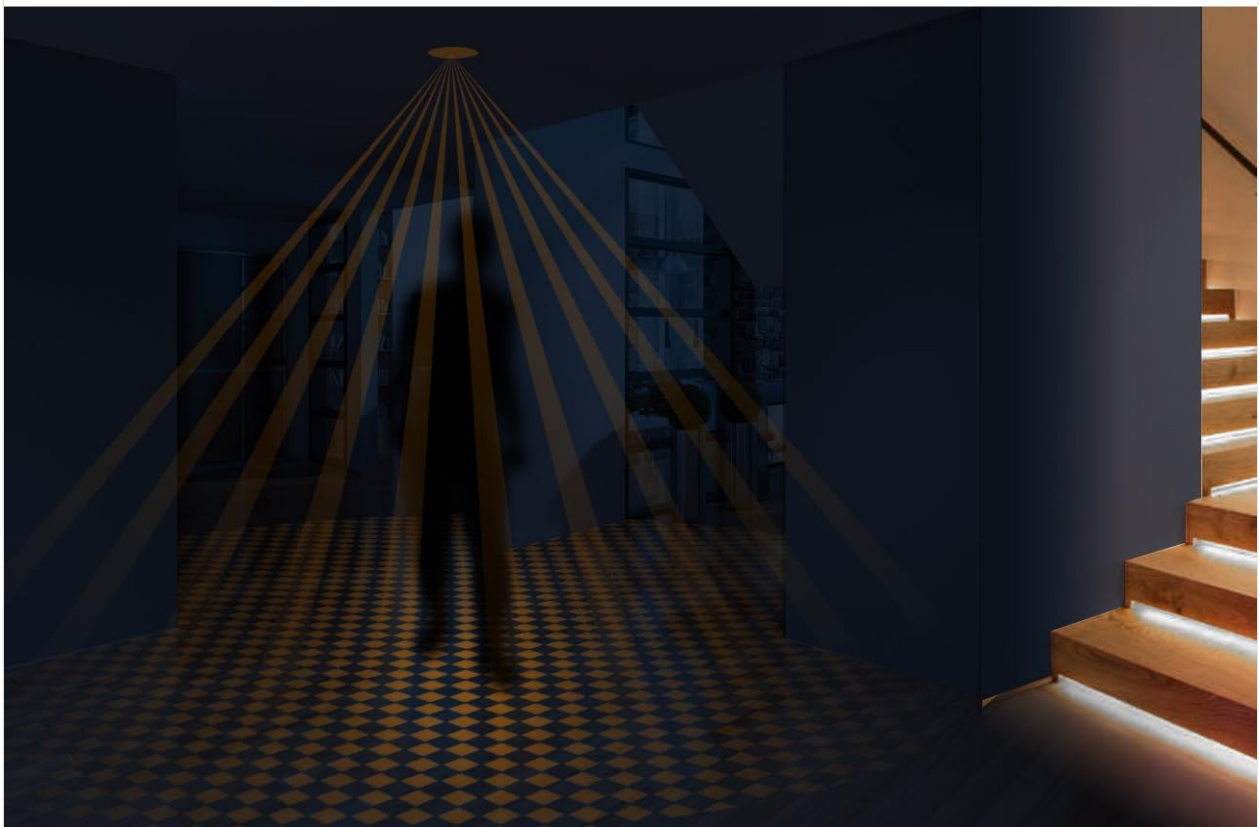
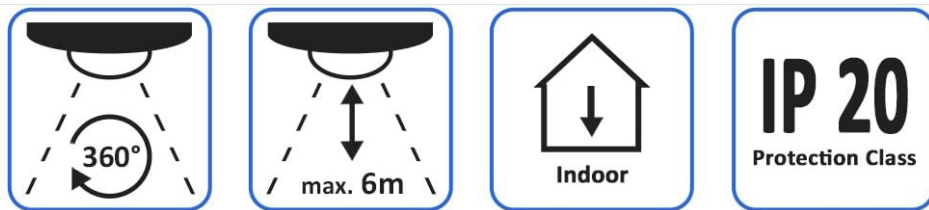


Image 4: Visual representation of the motion detector's 360° detection angle and maximum 6-meter range, suitable for indoor environments.

8. MAINTENANCE

The deleyCON MK899 motion detector requires minimal maintenance.

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.

- **Inspection:** Periodically check for any visible damage or loose connections.
- The device contains no user-serviceable parts. Do not attempt to disassemble it.

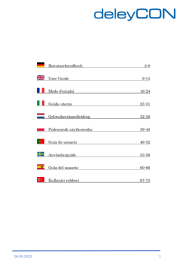


9. TROUBLESHOOTING

If you encounter issues with your motion detector, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on when motion is detected.	<ul style="list-style-type: none"> • Incorrect LUX setting (too high). • No power to the device. • Faulty wiring. • Motion outside detection range. 	<ul style="list-style-type: none"> • Adjust LUX dial towards the 'Moon' symbol. • Check circuit breaker and power connections. • Verify wiring according to the diagram. • Ensure motion occurs within 6m range and 360° angle.
Light stays on continuously.	<ul style="list-style-type: none"> • Constant motion in detection area. • Incorrect TIME setting (too long). • Device malfunction. 	<ul style="list-style-type: none"> • Ensure no continuous movement or heat sources (e.g., heating vents) are within the detection zone. • Adjust TIME dial towards the '-' symbol. • If problem persists, disconnect power and consult a professional.
Light turns on too frequently or randomly.	<ul style="list-style-type: none"> • LUX setting too sensitive. • Small animals or objects causing detection. • Drafts or temperature fluctuations. 	<ul style="list-style-type: none"> • Adjust LUX dial towards the 'Sun' symbol. • Relocate the detector or adjust its position to avoid unwanted triggers. • Ensure stable environmental conditions.

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official deleyCON website. Keep your proof of purchase for any warranty claims.

	<p>deleyCON HDMI Wanddose 4K Benutzerhandbuch</p> <p>Umfassendes Benutzerhandbuch für die deleyCON HDMI Wanddose 4K. Enthält Installationsanleitungen, technische Daten, Sicherheitshinweise und Informationen zur Produktkonformität für Modelle wie MK3164.</p>
	<p>deleyCON Mini Infrarød Bevægelsesdetektor Quickstart Guide</p> <p>Denne quickstart guide giver en oversigt over deleyCON's mini infrarøde bevægelsesdetektor, inklusive installationsvejledning, sikkerhedsinstruktioner og tekniske specifikationer. Lær hvordan du korrekt installerer og bruger din bevægelsesdetektor til optimal ydeevne.</p>
	<p>deleyCON Audio Cinch Kabel: Benutzerhandbuch und technische Informationen</p> <p>Umfassendes Benutzerhandbuch für deleyCON Audio Cinch Kabel (RCA-Kabel). Erfahren Sie mehr über Produktdetails, technische Spezifikationen, Sicherheitshinweise und Konformitätserklärungen für Modelle wie MK4085. Enthält Informationen zur Installation, Verwendung und Entsorgung.</p>