

Renkforce 1425528

Renkforce PIR Motion Detector 160° Relay (Built-in)

Model: 1425528

1. INTRODUCTION

Thank you for choosing the Renkforce PIR Motion Detector. This device is designed for built-in wall installation and automatically switches lighting or other connected devices based on detected motion. Its passive infrared (PIR) sensor reacts to temperature fluctuations caused by moving bodies, making it ideal for automating lighting in hallways, entrances, or rooms.



Figure 1: Renkforce PIR Motion Detector (Front View)

2. SAFETY INFORMATION

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

- **Electrical Installation:** Installation must be performed by a qualified electrician in accordance with all local and national electrical codes and regulations. Ensure the main power supply is disconnected before any installation or maintenance work.
- **Voltage:** The device operates on 230 Volts AC. Do not connect it to any other voltage supply.
- **IP20 Protection:** This device has an IP20 protection rating, meaning it is protected against solid objects larger than 12.5 mm (e.g., fingers). It offers **no protection against water or moisture**. Install the device only in dry, indoor

environments. Avoid areas with high humidity, direct water exposure, or extreme temperatures.

- **Intended Use:** Use the device only for its intended purpose as a motion detector for lighting or other compatible electrical loads. Do not modify the device.
- **Cleaning:** Disconnect power before cleaning. Clean only with a dry, soft cloth. Do not use liquid or abrasive cleaners.
- **Children:** Keep the device out of reach of children.

3. PACKAGE CONTENTS

- Renkforce PIR Motion Detector (1 unit)

Please check that all components are present and undamaged. If any parts are missing or damaged, contact your retailer.

4. PRODUCT FEATURES

- Built-in Passive Infrared (PIR) sensor for motion detection.
- Detection angle: 160 degrees.
- Maximum detection range: Up to 9 meters.
- Designed for built-in wall mounting.
- Operates on 230 Volts AC.
- Protection class: IP20 (for indoor, dry environments only).
- Compatible with security systems and smart home hubs.
- Compact design in white color.

5. SETUP AND INSTALLATION

The Renkforce PIR Motion Detector is designed for built-in installation within a wall. Due to the electrical nature of this product, **installation should only be carried out by a qualified electrician**

1. **Power Disconnection:** Before starting any installation work, ensure the main power supply to the circuit where the detector will be installed is completely disconnected at the fuse box or circuit breaker. Verify with a voltage tester.
2. **Location Selection:** Choose a suitable location on the wall where the detector can cover the desired area without obstruction. Avoid placing it near heat sources (e.g., radiators, direct sunlight) or air conditioning vents, as these can cause false triggers. Consider the detection angle (160°) and range (up to 9 meters).
3. **Prepare Wall Opening:** Create an appropriate opening in the wall for the built-in installation, matching the dimensions of the device. The product dimensions are approximately 80 x 80 x 62 mm (L x W x H).
4. **Wiring:** Connect the electrical wires to the terminals on the back of the motion detector according to the wiring diagram provided with the product (if applicable, typically printed on the device or in a separate leaflet). Ensure all connections are secure and properly insulated.
5. **Mounting:** Carefully insert the motion detector into the prepared wall opening and secure it using the appropriate mounting mechanisms (e.g., screws, clamps) until it is flush with the wall surface.
6. **Power Reconnection:** Once the installation is complete and all connections are secure, restore power to the circuit.



Figure 2: Detector Side View and Dimensions for Installation

6. OPERATING INSTRUCTIONS

The Renkforce PIR Motion Detector operates automatically once installed and powered.

- **Automatic Detection:** The sensor continuously monitors its detection area for movement by sensing changes in infrared radiation (body heat).
- **Load Activation:** When motion is detected within its 160° field of view and up to 9 meters range, the detector will activate the connected electrical load (e.g., turn on lights).
- **Deactivation:** After the detected motion ceases and a pre-set time delay (if adjustable, typically internal and not externally controllable on this model) has elapsed, the detector will deactivate the load (e.g., turn off lights).
- **No External Override:** Please note that this model typically does not feature an external override switch for continuous ON/OFF operation. Its primary function is automatic motion-activated control.

7. MAINTENANCE

The Renkforce PIR Motion Detector requires minimal maintenance.

- **Cleaning:** Periodically clean the sensor lens and the outer casing with a soft, dry, lint-free cloth. Do not use abrasive cleaners, solvents, or excessive moisture, as these can damage the device or impair sensor performance.
- **No User-Serviceable Parts:** The device contains no user-serviceable parts. Do not attempt to open or repair the unit yourself. Any unauthorized tampering will void the warranty.

8. TROUBLESHOOTING

If you experience issues with your Renkforce PIR Motion Detector, please refer to the following common troubleshooting steps:

- **Device Not Activating / No Output:**
 - Check if the main power supply to the circuit is active.
 - Verify all electrical connections are secure and correctly wired according to the installation instructions.
 - Ensure there are no obstructions blocking the sensor's field of view.
 - Confirm that the ambient temperature is not too close to body temperature, which can reduce detection

sensitivity.

- **Flickering Light / Unstable Operation:**

- This can sometimes occur with certain types of LED lamps when used with motion detectors not specifically designed for them. Try a different type of lamp (e.g., incandescent, or a different brand/model of LED known to be compatible with motion sensors).
- Check for loose wiring connections, which can cause intermittent power.
- Ensure the connected load's wattage is within the detector's specified limits.

- **False Triggers / Constant Activation:**

- Check for heat sources (e.g., heating vents, direct sunlight, pets) within the detection area that might be causing false activations.
- Ensure the sensor lens is clean and free from dust or debris.
- Strong air currents or drafts can sometimes cause false triggers; ensure the installation location is stable.

If the problem persists after following these steps, please contact Renkforce customer support or your retailer.

9. SPECIFICATIONS

Feature	Specification
Manufacturer	Renkforce
Model Number	1425528
Part Number	4020000000000
Product Dimensions (L x W x H)	80 x 80 x 62 mm (approx. 8 x 8 x 6.2 cm)
Weight	9.07 g
Color	White
Power Source	230V AC (Mains Powered)
Voltage	230 Volt
Detection Type	PIR (Passive Infrared)
Detection Angle	160°
Maximum Range	9 meters
Mounting Type	Wall Mounting (Built-in)
Protection Class	IP20
Compatible Devices	Security System, Smart Home Hub
Recommended Applications	Residential security, automation
Number of Items in Package	1
Batteries Included?	No
Batteries Required?	No
First Available Date	January 15, 2020

Feature	Specification
Spare Parts Availability (EU)	1 Year

10. WARRANTY AND SUPPORT

Renkforce provides a warranty for a minimum period of **2 years** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or further assistance, please contact your retailer or the Renkforce customer service department. Keep your proof of purchase for warranty validation.

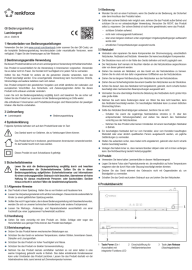
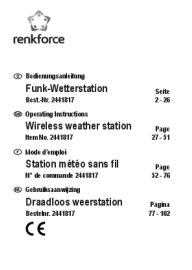
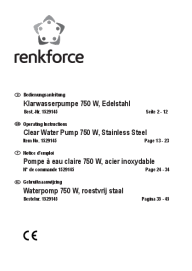


© 2024 Renkforce. All rights reserved.
This manual is for informational purposes only. Renkforce reserves the right to make changes to product specifications without prior notice.



Related Documents - 1425528

 © Informationsblatt Internet-Radio RF-IR-Mono1 Art.Nr. 1425528 Seite 2 - 27 © Bedienungsanleitung Internet-Radio RF-IR-Mono1 Art.Nr. 1425528 Seite 28 - 33 CE	Renkforce RF-IR-Mono1 Internet Radio Bedienungsanleitung Entdecken Sie die Funktionen des Renkforce RF-IR-Mono1 Internetradios, das Internetradio-Streaming, Netzwerk- und Bluetooth-Wiedergabe sowie eine Uhr mit Weckfunktion bietet. Enthält detaillierte Anleitungen von Conrad Electronic SE.
 © Informationsblatt Tauchdruckpumpe 800 W Art.Nr. 1425529 Seite 2 - 12 © Bedienungsanleitung Submersion Pressure Pump 800 W Art.Nr. 1425529 Page 13 - 23 © Notice d'emploi Pompe submersible à pression 800 W Art.Nr. 1425529 Page 24 - 34 © Informationsblatt Compelpompe 800 W Art.Nr. 1425529 Page 35 - 45 CE	renkforce 800W Tauchdruckpumpe Bedienungsanleitung Umfassende Bedienungsanleitung für die renkforce 800W Tauchdruckpumpe. Enthält Informationen zu bestimmungsgemäßer Verwendung, Sicherheitshinweisen, Installation, Betrieb, Wartung und Fehlerbehebung.

	renkforce Laminator: Bedienungsanleitung und Anwendungshinweise Umfassende Bedienungsanleitung für den renkforce Laminator (Art.nr. 3348516). Erfahren Sie alles über sichere Handhabung, optimale Nutzung, Fehlerbehebung und technische Details für professionelle Laminierungsergebnisse.
	Renkforce Funk-Wetterstation Bedienungsanleitung Bedienungsanleitung für die Renkforce Funk-Wetterstation. Enthält Informationen zur Einrichtung, Bedienung, Merkmalen und Funktionen, Sicherheitshinweisen und technischen Daten.
	Instrukcja obsługi kamery sportowej Renkforce RF-VRCAM-580HD 360° Szczegółowa instrukcja obsługi kamery sportowej Renkforce RF-VRCAM-580HD 360°, zawierająca informacje o instalacji, obsłudze, funkcjach Wi-Fi, rozwiązywaniu problemów i danych technicznych.
	Renkforce 1529145 Klarwasserpumpe 750 W Edelstahl Bedienungsanleitung Umfassende Bedienungsanleitung für die Renkforce 1529145 Klarwasserpumpe 750 W aus Edelstahl. Enthält wichtige Informationen zu Installation, Betrieb, Sicherheit und Wartung für den privaten Gebrauch.

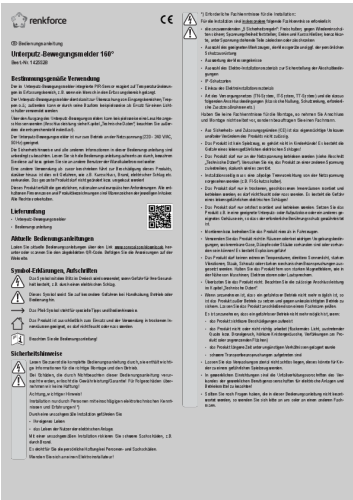
Documents - Renkforce – 1425528



[\[pdf\]](#) User Manual Instructions

▷ Renkforce 1425528 Security Sensors Operating Instructions Manual 12 pages Guidessimo renkforce operating instructions manual cdn4 guidessimo view 1728175 |||

lang: score:43 filesize: 743.26 K page_count: 12 document date: 2021-09-13

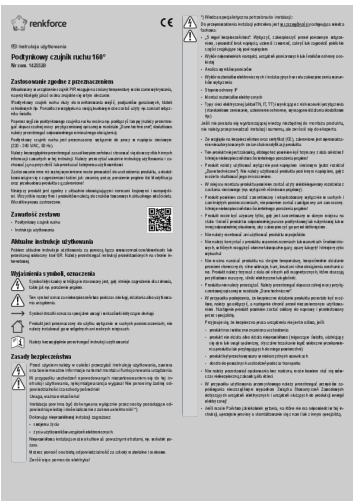


[pdf] Instructions

Renkforce 4016139070186 PIR bewegingsmelder Inbouw in muur 160 ° Relais Wit IP20 kopen Conrad Electronicgebruiksaanwijzingen en veiligheidsinformatie 1425528 renkforce pir inbouw relais witasset conrad media10 add 160267 c1 gl 001425528ML02 gebruiksaanwijzingen wit ip20 ElectronicRenkforce Unterputz Bewegungsmelder Weiß kaufengebruiksaanwijzingen witbedienungs und sicherheitshinweise unterputz bewegungsmelder weiss ip20asset bedienungs kaufenBuy Flush mount motion detector Relay White ip20user safety instructions flush relay white user |||

Bedienungsanleitung Unterputz-Bewegungsmelder 160 Best.-Nr. **1425528** Bestimmungsgeme Verwendung Der im Unterputz-Bewegungsmelder integrierte PIR-Sensor reagiert auf Temperaturnderungen im Erfassungsbereich, z.B. wenn ein Mensch in den Erfassungsbereich gelangt. Der Unterputz-Bewegungsmelder dient dam...

lang:de **score:26** filesize: 812.1 K page_count: 12 document date: 2017-02-23

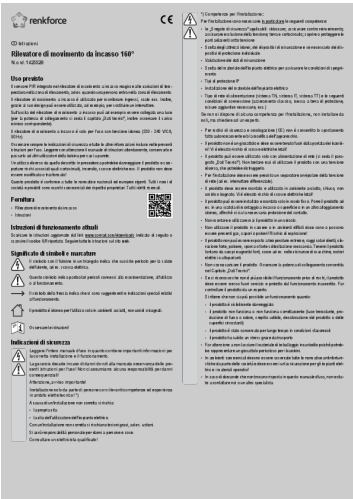


[pdf] Instructions

Renkforce 4016139070186 PIR bewegingsmelder Inbouw in muur 160 ° Relais Wit IP20 kopen Conrad Electronicgebruiksaanwijzingen en veiligheidsinformatie 1425528 renkforce pir inbouw relais witasset conrad media10 add 160267 c1 pl 001425528ML03 gebruiksaanwijzingen wit ip20 ElectronicRenkforce Unterputz Bewegungsmelder Weiß kaufengebruiksaanwijzingen witbedienungs und sicherheitshinweise unterputz bewegungsmelder weiss ip20asset bedienungs kaufenBuy Flush mount motion detector Relay White ip20user safety instructions flush relay white user |||

Instrukcja uytkowania Podtynkowy czujnik ruchu 160 Nr zam. **1425528** Zastosowanie zgodne z przeznaczeniem Wbudowany w urzdzienie czujnik PIR reaguje na zmiany temperatury w obszarze wykrywania, na przyklad gdy jaka osoba znajdzie si w tym obszarze. Podtynkowy czujnik ruchu sluy do monitorowania wej, p...

lang:pl **score:25** filesize: 254.68 K page_count: 3 document date: 2016-05-30

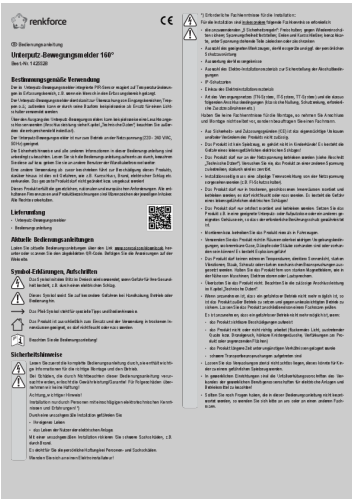


[pdf] Instructions

Buy Renkforce 4016139070186 Flush mount PIR motion detector 160 ° Relay White IP20 Conrad Electronicuser safety instructions 1425528 renkforce flush pir relay white ip20asset conrad media10 add 160267 c1 it 001425528ML01 user ip20 bewegingsmelder Inbouw in muur Relais Wit kopen ElectronicBuy Electronicgebruiksaanwijzingen en veiligheidsinformatie inbouw relais wituser gebruiksaanwijzingen wit Bekijk de CE markingRenkforce 160° detectiehoek bolRenkforce Electronicoriginalgebruiksaanwijzingen ip20media s bol NK8973kpQNw6 originalasset ElectronicRenkforce Unterputz Bewegungsmelder Weiß kaufenBuy witbedienungs und sicherheitshinweise unterputz bewegungsmelder weiss ip20user bedienungs |||

Istruzioni Rilevatore di movimento da incasso 160 N. ord. **1425528** Uso previsto Il sensore PIR integrato nel rilevatore di movimento a incasso 160 reagisce alle variazioni di temperatura nella zona di rilevamento, ad es. quando una persona entra nella zona di rilevamento. Il rilevatore di movimento a incasso...

lang:it **score:23** filesize: 260.09 K page_count: 3 document date: 2016-05-30



[\[pdf\]](#)

Bedienungsanleitung 1425528 Renkforce 4016139070186 Unterputz PIR Bewegungsmelder 160 ° Relais

Weiß IP20 Conrad e B2B on line SLO Trgovina za podjetja! bedienungsanleitung renkforce unterputz pir

bewegungsmelder relais weiss ip20 asset conrad media10 add 160267 c1 gl 001425528ML02 |||

Bedienungsanleitung Unterputz-Bewegungsmelder 160 Best.-Nr. **1425528**

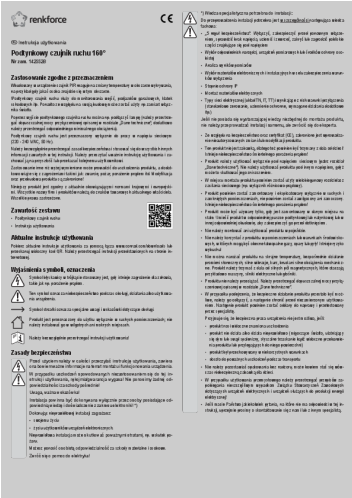
Bestimmungsgeme Verwendung Der im Unterputz-Bewegungsmelder integrierte PIR-

Sensor reagiert auf Temperaturnderungen im Erfassungsbereich, z.B. wenn ein

Mensch in den Erfassungsbereich gelangt. Der Unterputz-Bewegungsmelder dient

dam...

lang:de **score:21** filesize: 812.1 K page_count: 12 document date: 2017-02-23



[\[pdf\]](#)

Bedienungsanleitung 1425528 Renkforce 4016139070186 Unterputz PIR Bewegungsmelder 160 ° Relais

Weiß IP20 Conrad e B2B on line SLO Trgovina za podjetja! bedienungsanleitung renkforce unterputz pir

bewegungsmelder relais weiss ip20 asset conrad media10 add 160267 c1 pl 001425528ML03 |||

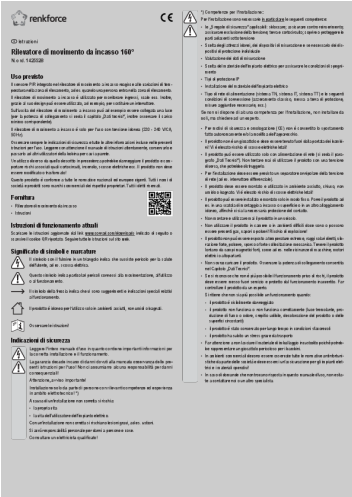
Instrukcja uytkowania Podtynkowy czujnik ruchu 160 Nr zam. **1425528** Zastosowanie

zgodne z przeznaczeniem Wbudowany w urzdzienie czujnik PIR reaguje na zmiany

temperatury w obszarze wykrywania, na przyklad gdy jaka osoba znajdzie si w tym

obszarze. Podtynkowy czujnik ruchu sluy do monitorowania wej, p...

lang:pl **score:20** filesize: 254.68 K page_count: 3 document date: 2016-05-30



[\[pdf\]](#)

Bedienungsanleitung 1425528 Renkforce 4016139070186 Unterputz PIR Bewegungsmelder 160 ° Relais

Weiß IP20 Conrad e B2B on line SLO Trgovina za podjetja! bedienungsanleitung renkforce unterputz pir

bewegungsmelder relais weiss ip20 asset conrad media10 add 160267 c1 it 001425528ML01 |||

Istruzioni Rilevatore di movimento da incasso 160 N. ord. **1425528** Uso previsto Il

sensoore PIR integrato nel rilevatore di movimento a incasso reagisce alle variazioni di

temperatura nella zona di rilevamento, ad es. quando una persona entra nella zona di

rilevamento. Il rilevatore di movimento a inc...

lang:it **score:20** filesize: 260.09 K page_count: 3 document date: 2016-05-30