

## HID 900PHRNEK00466



# HID Global RP10-H Reader User Manual

Model: 900PHRNEK00466

## 1. INTRODUCTION

The HID Global RP10-H (Model: 900PHRNEK00466) is a versatile multi-technology access control reader designed for secure identification. This reader supports various credential technologies including PIVCLS, SE E, and operates with HF (High Frequency) standards, SIO, SEOS, and FIPS compliance. It is engineered for robust performance in access control systems, providing reliable authentication for authorized personnel. This manual provides essential information for the proper installation, operation, and maintenance of your RP10-H reader.

**Image Description:** The image above displays the HID Global logo, which features the word "HID" in bold white capital letters against a solid blue rectangular background with rounded corners. A small registered trademark symbol (®) is visible in the upper right corner of the blue rectangle.

## 2. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of the RP10-H reader. It is recommended that installation be performed by qualified personnel.

### 2.1. Package Contents

- HID Global RP10-H Reader (Model: 900PHRNEK00466)
- Mounting Hardware (screws, anchors)
- Installation Guide (this document)

### 2.2. Mounting Instructions

1. Choose a suitable mounting location, ensuring it is flat and free from obstructions.
2. Use the provided mounting template (if applicable) to mark drilling points.
3. Drill pilot holes for the mounting screws.
4. Secure the reader to the mounting surface using the provided hardware. Ensure the reader is firmly attached.

## 2.3. Wiring and Power Connection

The RP10-H reader requires a stable power supply and proper connection to the access control panel. Refer to the wiring diagram provided with your specific access control system for detailed connections.

- Connect the reader's power input to a regulated DC power supply (typically 5-16 VDC).
- Connect the data lines (e.g., Wiegand, OSDP) to the corresponding inputs on your access control panel.
- Ensure all connections are secure and insulated to prevent short circuits.
- Verify proper grounding to prevent electrical interference.

## 3. OPERATING THE READER

Once installed and powered, the RP10-H reader is ready for operation.

### 3.1. Credential Presentation

To gain access, present your compatible access credential (e.g., PIV, SEOS card, mobile credential) within close proximity to the reader's face. The optimal reading distance may vary depending on the credential type and environmental factors.

### 3.2. LED and Audible Indicators

The RP10-H reader provides visual and audible feedback to indicate its status and the outcome of a credential presentation.

Indicator	Description
Green LED	Indicates successful credential read and access granted.
Red LED	Indicates credential read error or access denied.
Amber/Yellow LED	Indicates reader busy or awaiting input.
Single Beep	Successful credential read.
Multiple Beeps	Error during credential read or access denied.

## 4. MAINTENANCE

The HID Global RP10-H reader is designed for minimal maintenance.

- **Cleaning:** Periodically wipe the reader's surface with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish.
- **Firmware Updates:** Firmware updates may be available from HID Global to enhance performance or add new features. Consult your system administrator or HID Global support for information on applying updates.
- **Inspection:** Regularly inspect the reader and its wiring for any signs of damage or wear.

## 5. TROUBLESHOOTING

If you encounter issues with your RP10-H reader, refer to the following common troubleshooting steps.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Reader is unresponsive (no LEDs, no sound).	No power or incorrect wiring.	<ul style="list-style-type: none"> <li>Check power supply connections.</li> <li>Verify power source is active and providing correct voltage.</li> <li>Inspect wiring for breaks or loose connections.</li> </ul>
Credential not reading or access denied (Red LED/multiple beeps).	<ul style="list-style-type: none"> <li>Incompatible credential.</li> <li>Credential damaged or expired.</li> <li>Reader interference.</li> <li>Access control system issue.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure credential is compatible with RP10-H (PIVCLS, SE E, HF STD/SIO/SEOS/FIPS).</li> <li>Try a different, known-good credential.</li> <li>Check for nearby metallic objects or strong electromagnetic fields.</li> <li>Contact your system administrator to verify credential enrollment and access permissions.</li> </ul>
Intermittent reading.	<ul style="list-style-type: none"> <li>Environmental interference.</li> <li>Loose wiring.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure reader is not mounted directly on metal or near large metal objects.</li> <li>Re-check all wiring connections for tightness.</li> </ul>

For issues not resolved by these steps, please contact HID Global technical support or your system integrator.

## 6. SPECIFICATIONS

Feature	Detail
Model Number	900PHRNEK00466
Brand	HID Global
Supported Technologies	PIVCLS, SE E, HF STD/SIO/SEOS/FIPS
Color	Black (BLK)
Interface	Wiegand (WG)
Package Dimensions	8 x 8 x 8 inches
Item Weight	1 pounds
ASIN	B07N5872JC
Date First Available	September 4, 2019



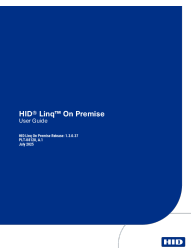



## 7. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty documentation provided with your purchase or visit the official HID Global website.

For technical support, product inquiries, or further assistance, please contact HID Global customer service or your authorized distributor.

- **HID Global Official Website:** [www.hidglobal.com](http://www.hidglobal.com)
- **Technical Support:** Refer to the support section on the HID Global website for contact details specific to your region.

## Related Documents - 900PHRNEK00466

	<p><a href="#">HID Technology Card Guide: Seamless Management of Diverse Access Control Technologies</a></p> <p>Explore HID Global's technology cards, offering seamless management of multiple applications and migration projects. Learn about High Frequency (13.56 MHz iCLASS®, MIFARE®, DESFire®), Low Frequency, Magstripe/Wiegand, and Contact Chip technologies for integrated physical and logical access control.</p>
	<p><a href="#">HID Reader Manager App User Guide (iOS) - Manage Access Control Readers</a></p> <p>Explore the HID Reader Manager App User Guide for iOS. Learn how to install, configure, and manage HID Signo and iCLASS SE readers, upgrade firmware, and troubleshoot common issues for enhanced access control security.</p>
	<p><a href="#">HID Linq On Premise User Guide</a></p> <p>This user guide provides comprehensive instructions for installing and configuring HID Linq On Premise, connecting HID Signo readers, managing configuration IDs, updating firmware, and handling custom keys. It covers system requirements, hardware, software versions, and detailed steps for various operations.</p>
	<p><a href="#">HID Signo Readers Guide: Understanding Part Numbers</a></p> <p>A guide to understanding HID Signo reader part numbers, explaining the meaning of different codes for style, keypad options, and technology compatibility.</p>
	<p><a href="#">HID VertX EVO V1000 Installation Guide</a></p> <p>This guide provides comprehensive instructions for installing and configuring the HID VertX EVO V1000 access control controller. It covers hardware connections, network setup using Discovery Client or Virtual Port, communication configuration, troubleshooting, battery replacement, firewall considerations, and regulatory compliance.</p>
	<p><a href="#">HID FARGO Connect Console User Guide - Setup, Operation, and Specifications</a></p> <p>Comprehensive user guide for the HID FARGO Connect Console (Model X002400), covering setup, connection, operation, print management, system support, specifications, and regulatory information.</p>

no relevant documents