

HID Signo 40

HID Signo 40 Multi-Technology Smart Card Reader with Keypad User Manual

Model: Signo 40 (40KNKS-00-000000)

1. PRODUCT OVERVIEW

The HID Signo Reader 40 is a versatile and secure electronic access control device, part of the advanced Signo platform. Designed for wall switch mounting, it supports a wide array of credential technologies, including traditional cards and fobs, as well as modern mobile devices. This reader is built for future connectivity and offers robust security features.



Front view of the HID Signo 40 Smart Card Reader, featuring a black casing with a red illuminated bar at the top and a numeric keypad with red backlit numbers (1-9, *, 0, #) and the 'HID' logo at the bottom. This image illustrates the physical design of the reader.

Key Features:

- **Highly Versatile:** Supports a broad range of credential technologies, including HID Mobile Access via native Bluetooth and Near Field Communication (NFC). Also features Apple's Enhanced Contactless Polling (ECP) for credentials in Apple Wallet.
- **Unparalleled Performance:** Features ultra-secure storage of cryptographic keys on certified secure element hardware. Includes a surface detection feature for automatic recalibration and optimization of read range performance.
- **Connected to the Future:** Out-of-the-box support for Open Supervised Device Protocol (OSDP) for secure bidirectional communication. Designed for remote management, eliminating the need for physical interaction.
- **Pigtail Wiring Option:** Provides flexible installation choices.

2. SETUP AND INSTALLATION

The HID Signo 40 reader is designed for straightforward installation, typically in wall switch mounting applications. Professional installation is recommended to ensure proper wiring and system integration.

Installation Steps (General Guidelines):

1. **Preparation:** Ensure power is disconnected from the installation area. Gather necessary tools and mounting hardware.
2. **Mounting:** Securely mount the reader to the wall switch box or desired surface. The design is optimized for this type of installation.
3. **Wiring:** Utilize the pigtail wiring option to connect the reader to your access control panel. Ensure all connections adhere to local electrical codes and system specifications. The reader supports Open Supervised Device Protocol (OSDP) for secure communication.
4. **Power On:** Once wiring is complete and verified, restore power to the system.
5. **System Integration:** Configure the reader within your access control system software. This typically involves assigning the reader to a door, setting access permissions, and enrolling credentials.

For detailed wiring diagrams and specific installation instructions, refer to the comprehensive installation guide provided with your product packaging or available on the HID Global website.

3. OPERATING THE READER

The HID Signo 40 reader provides multiple ways to gain access, supporting a variety of credential types for user convenience and system flexibility.

Credential Usage:

- **Physical Cards/Fobs:** Present your authorized physical access card or fob directly to the reader's surface. The reader will illuminate or provide an audible signal upon successful read.
- **Mobile Devices (HID Mobile Access):** For mobile credentials, ensure your device has HID Mobile Access enabled and Bluetooth or NFC is active. Present your mobile device near the reader. The reader will detect the mobile credential and process the access request. The reader also supports Apple's Enhanced Contactless Polling (ECP) for credentials stored in Apple Wallet.
- **Keypad Entry:** If configured for keypad access, enter your personal identification number (PIN) using the numeric keypad. Press the '#' key (or designated enter key) after entering your PIN to submit.

Read Range Optimization:

The Signo 40 features a surface detection capability that allows it to automatically recalibrate and optimize its read range performance. This ensures consistent and reliable credential reading in various environmental conditions.

4. MAINTENANCE

The HID Signo 40 reader is designed for durability and requires minimal maintenance. Regular cleaning and occasional checks can help ensure its longevity and optimal performance.

Cleaning Instructions:

- Use a soft, damp cloth to gently wipe the exterior surface of the reader.
- Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the reader's finish or internal components.
- Ensure no liquid enters the reader's housing.

General Care:

- Do not attempt to open or service the reader yourself. Refer to qualified personnel for any repairs.
- Protect the reader from extreme temperatures and direct exposure to harsh weather conditions unless specifically rated for such environments.

5. TROUBLESHOOTING

If you encounter issues with your HID Signo 40 reader, consider the following common troubleshooting steps. For persistent problems, contact technical support.

Common Issues and Solutions:

- **Reader Not Responding:**
 - Check power supply to the reader and access control panel.
 - Verify wiring connections are secure and correct.
 - Ensure the access control panel is functioning correctly.
- **Credential Not Reading:**
 - Ensure the credential (card, fob, mobile device) is authorized in the access control system.
 - Confirm the credential type is supported by the Signo 40 reader.
 - For mobile credentials, check Bluetooth/NFC settings on the device and ensure the HID Mobile Access app is running.
 - Try presenting the credential at different angles or distances to the reader.
- **Keypad Not Functioning:**
 - Verify that keypad functionality is enabled and configured in your access control system.
 - Ensure the correct PIN is being entered.
- **Intermittent Operation:**
 - Check for any sources of electromagnetic interference near the reader.
 - Ensure the reader's surface is clean and free from obstructions.

If these steps do not resolve the issue, please consult the full technical documentation or contact HID Global support.

6. SPECIFICATIONS

Attribute	Detail
Model Number	Signo 40 (40KNKS-00-000000)
Manufacturer	HID
Package Dimensions	7.17 x 4.84 x 1.73 inches
Item Weight	12 ounces
ASIN	B08SPCYWWC
Date First Available	January 11, 2021

Supported Credentials	Cards, Fobs, Mobile Devices (Bluetooth, NFC, Apple ECP)
Communication Protocol	Open Supervised Device Protocol (OSDP)

7. WARRANTY AND SUPPORT


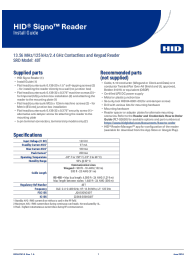
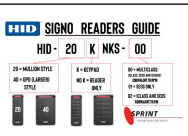

For information regarding product warranty, please refer to the warranty documentation included with your HID Signo 40 reader or visit the official HID Global website. Warranty terms and conditions may vary by region and product.


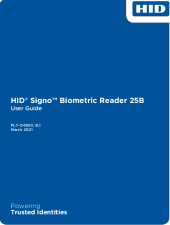
For technical assistance, product inquiries, or support, please contact HID Global customer service or visit their online support portal. Contact details can typically be found on the HID Global website or in your product's packaging.



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Related Documents - Signo 40

	<p>HID Reader Manager App User Guide (iOS) - Manage Access Control Readers</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>HID Signo 40T Reader Installation Guide</p> <p>This guide provides instructions for installing and wiring the HID Signo 40T Reader, a 13.56 MHz/125 kHz/2.4 GHz contactless and keypad reader.</p>
	<p>HID Signo Readers Guide: Understanding Part Numbers</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>HID Linq On Premise User Guide</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>HID EntryProx™ Reader: Stand-Alone Single-Door Proximity Access Control Datasheet</p> <p>Detailed datasheet for the HID EntryProx™ Reader, a stand-alone single-door proximity access control device. Features include keypad entry, remote monitoring, fast programming, and robust design for various environments. Specifications, model numbers, and compatibility information provided by HID Global.</p>
	<p>HID Signo Biometric Reader 25B User Guide</p> <p>User guide for the HID Signo Biometric Reader 25B, detailing hardware specifications, wiring, system connections, fingerprint enrollment procedures, and a glossary of terms.</p>