

HID[®] SIGNO[™] Reader Series

Versatile access control readers



Advantages at a glance

- **Versatile:** Support for the widest range of credential technologies
- **Performance:** Ultra secure storage of cryptographic keys on certified secure element hardware, plus a new surface detection feature that enables the reader to automatically recalibrate and optimize read range performance
- **Support:** Open Supervised Device Protocol (OSDP) for secure bidirectional communication and Wiegand for legacy applications
- **Design:** Sleek, innovative design to suit modern architecture
- **Adaptable:** Built on a hardware platform designed to be adaptable to future technology



Beyond Traditional Reader Models

The Signo[™] Reader Series is the signature line of physical access control readers from HID for use with Keyscan access control systems.

The versatility, performance and connected capabilities of the Signo readers set a new benchmark for readers that are highly adaptable, interoperable and secure.

Offering an unparalleled breadth of functionality, Signo affords security system installers and administrators

a simple and effective approach to secure access control for almost any Keyscan access control system design.

With support for the widest array of credential technologies — past, present and future — Signo reader series is the perfect choice for those looking to make the transition to a secure authentication technology.





They are available in three groups:

KS-1 Series: For use in Seos environments. Functions with Seos readers and are mobile ready.

KS-2 Series: For use in iCLASS SE and SE legacy public key environments. Functions with Seos, SE and SR credentials as well as other 13.56 MHz technology. Also, mobile ready.

KS-0 Series: For use in a multiple credential environment. Functions with both 125kh and many 13.56MHz technologies. Also, mobile-ready.

Specifications

KS-1 Series KS-2 Series KS-0 Series	KS20NKS1 KS20NKS2 KS20NKS0	KS20KNKS1 KS20KNKS2 KS20KNKS0	KS40NKS1 KS40NKS2 KS40NKS0	KS40KNKS1 KS40KNKS2 KS40KNKS0
				
KS-1 Credential compatibility	I8KSEOS, IDSOSE (dual technology credential) ⁴			
KS-2 Credential compatibility	All KS-1 profile credentials plus I2K2PSR36, F2K2PSR36; T2K2PSR36			
KS-0 Credential compatibility	All KS-1 and KS-2 profile credentials plus CS125-36, PSM-2P-H, PSK-3-H, PDT-1-H, PSC-1-H, PSI-4-H, PSM-2S-H, PDT-1-H, DE2-125, K-TX2, HID-C1325, HID-C1386, HID-1391, PROXKEYIII. Keyscan Indala PX-C1, PXKEY, PX-STKTAG, PX-ISO30 and K-INTX2			
Read Range ¹	High-frequency credentials: 1.6 to 4 in (4 to 10 cm) Standard frequency credentials: 2.4 to 4 in (6 to 10 cm)			
Mounting	Suited for mullion-mount door installations or any flat surface mounting		Suited to mount and cover single gang switch boxes with a slotted mounting plate for alternate back-box spacing	
Color	Black bezel with silver trim baseplate ²			
Keypad	No	Yes (2x6 layout)	No	Yes (3x4 layout)
Dimensions	1.77 in x 4.78 in x 0.77 in (45 x 121.5 x 19.5 mm)	1.78 in x 4.79 in x 0.85 in (45 x 121.5 x 21.5 mm)	3.15 in x 4.78 in x 0.77 in (80 x 121.5 x 19.5 mm)	3.16 in x 4.79 in x 0.85 in (80 x 121.5 x 21.5 mm)
Weights	Pigtail: 3.35 oz (95 g)	Pigtail: 3.88 oz (110 g)	Pigtail: 4.94 oz (140 g)	Pigtail: 5.64 oz (160 g)
Operating voltage	12V DC			
Current draw ³	60 mA Peak: 250 mA	65 mA Peak: 250 mA	65 mA Peak: 250 mA	70 mA Peak: 250 mA
Device I/O	Input: Tri-color LED, Buzzer, Hold @ Active Low Output: Tamper Relay 0-60V DC @ 100mA Max (Dry Contact)			
Operating Temperature & Humidity	-31° F to +150° F (-35° C to +66° C) 0% to 95% non-condensing			
Environmental Rating	UL294 Outdoor and Indoor rated, IP65			
Transmit frequency	125 kHz, 13.56 MHz, and 2.4 GHz			
Panel Communications	Wiegand, RS-485 via Pigtail (18 in / 0.5 m) or Terminal Strip			
Certifications	UL294/cUL (US), FCC (US), IC (Canada), CE (EU), RCM (Australia, New Zealand), SRRC (China), KCC (Korea), NCC (Taiwan), iDA (Singapore), RoHS, MIC (Japan), GreenCircle, Bluetooth SIG, and additional regions.			
Warranty	Limited Lifetime			

1. Read range listed is statistical mean rounded to nearest centimeter increment for ID-1 or clamshell credentials. HID Global testing occurs in open air. Form factor, technology and environmental conditions, including metallic mounting surface, can degrade read range performance; plastic spacers are recommended to improve performance on metallic mounting surfaces.
2. Black trim baseplate & reader spacers available as an additional accessory at an additional cost.
3. Measured in accordance with UL294 standards; see Installation Guide for details.
4. IDSESO is a "bridge" credential that will function with both iCLASS readers with Keyscan Elite Key and Signo readers (public key).

Any questions? We would be happy to advise you.

Contact us at: +1 888 539 7226