

Signo™ readers

ASSA ABLOY
Opening Solutions

Models: 20, 20K, 40, 40K

Experience a safer
and more open world

Designed for maximum security, interoperability and convenience.

Futureproof security with inbuilt OSDP and totally remote management.

Easy Migration from Wiegand to OSDP.

A range of Signo models for all scenarios.

Mobile ready, slimline design.

Colour LEDs which can simply be changed.

Accepts wide range of credential technologies.

Bluetooth and Near Field Communication (NFC) compatibility.

Configure for read in or read in and out.

Contemporary, robust (IP65) design with inbuilt intelligent energy saving technology.



Added versatility

Signo accepts a wide range of credential technologies – including Seos®, iCLASS, MIFARE®, mobile access and ABLOY PULSE energy-harvesting smart keys – as well as popular legacy credentials and proximity technologies. Your current and future credential support needs are covered.



Superior quality

Signo readers are connected by design: They work out-the-box with mobile credential technologies including native Bluetooth and Near Field Communication (NFC). Migration from Wiegand to OSDP is simple, as is integration with an Incedo access control system.



Flexible models

A choice of individual Signo models provides the flexibility you need to pick the right reader for every job. You can customize a Signo reader rollout to meet the exact needs of every door and opening at your site.

Versions:



20



20K







40



40K

Signo readers – Specifications

Reader series		Signo reader			
	ASSA ABLOY Signo Reader	20 	20K 	40 	40K 
①	General Information				
	Purpose	Highly versatile platform designed to provide unmatched breadth of support for a wide range of verticals, including access control systems of the past, present and future			
	Base Model & Form Factors	mullion	mullion keypad	wall switch	wall switch keypad
		See full list of product codes on next page			
	Dimensions (width x length x depth)	45 mm x 121.5 mm x 19.5 mm	45 mm x 121.5 mm x 21.5 mm	80 mm x 121.5 mm x 19.5 mm	80 mm x 121.5 mm x 21.5 mm
	Product Weight	Pigtail: 95 g Terminal: 75 g	Pigtail: 110 g Terminal: 90 g	Pigtail: 140 g Terminal: 120 g	Pigtail: 160 g Terminal: 140 g
	Security Rating – Secure Element Hardware	EAL 5+			
📶	Credential Technology Supported				
	2.4 GHz Credential compatibility	Yes – Integrated, supports ASSA ABLOY Mobile Access			
	13.56 MHz Credential compatibility	Yes – Incedo credentials, both online and offline			
	125 kHz Credential compatibility	Yes – available in all standard profile			
		ASSA ABLOY Signo readers support for: HID proximity, Indala proximity, EM4102 proximity, AWID			
⚡	Device Characteristics				
	Mounting	Mullion, single or double-gang switch box (EU)			
	Connector Type	Pigtail Cable – 0.5 m Terminal Block – flush mount*			
	Color	Black Bezel / Silver Trim / Black Trim available as an accessory			
	Keypad	Mullion – 2 × 6 capacitive / Wallswitch – 3 × 4 capacitive			
	Material Housing	Polycarbonate – UL94 V0 rated 12 VDC			
	Operating Voltage Range	12 VDC			
	Current Draw (Max)	250 mA			
	Device Input & Output	Input: Tri-color LED, Buzzer, Hold Output: Tamper Relay			
	Operating Temperature Range	-35° C to +66° C 0% to 95% non-condensing			
	Storage Temperature Range	-40° C to +85° C			
📶	Device Features				
	Device Management	HID Reader Manager, OSDP configuration			
🌡️	Device Characteristics				
	Environmental Rating	UL294 Outdoor and Indoor rated			
	Ingress Protection	IP65			
	Controller Communications	OSDP or Wiegand, both integrated into base hardware			
⚠️	Device Features				
	Intelligent Power Mode	Yes			
	Velocity Attack Detection	Yes			
	Metal Environment Optimisation	Yes – surface detection feature automatically calibrates read range			
✓	Certifications and Terms				
	Certifications	CE (EU), Green circle certified			
	Warranty	Limited Lifetime			

* available on special order

Product code and model information



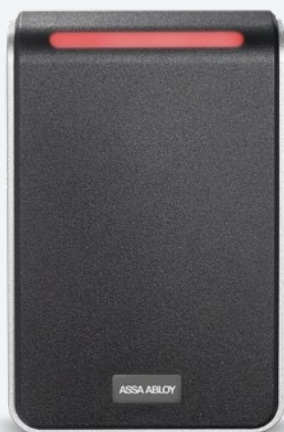
ASSA ABLOY Signo Reader 20

- **RDR-2PSO**
Signo 20 Seos Profile
– OSDP
- **RDR-2PSW**
Signo 20 Seos Profile
– Wiegand
- **RDR-2PLO**
Signo 20 Standard Profile
– OSDP
- **RDR-2PLW**
Signo 20 Standard Profile
– Wiegand



ASSA ABLOY Signo Keypad Reader 20K

- **RDR-2NSO**
Signo 20K Seos Profile
– OSDP
- **RDR-2NSW**
Signo 20K Seos Profile
– Wiegand
- **RDR-2NLO**
Signo 20K Standard Profile
– OSDP
- **RDR-2NLW**
Signo 20K Standard Profile
– Wiegand



ASSA ABLOY Signo Reader 40

- **RDR-4PSO**
Signo 40 Seos Profile
– OSDP
- **RDR-4PSW**
Signo 40 Seos Profile
– Wiegand
- **RDR-4PLO**
Signo 40 Standard Profile
– OSDP
- **RDR-4PLW**
Signo 40 Standard Profile
– Wiegand



ASSA ABLOY Signo Keypad Reader 40K

- **RDR-4NSO**
Signo 40K Seos Profile
– OSDP
- **RDR-4NSW**
Signo 40K Seos Profile
– Wiegand
- **RDR-4NLO**
Signo 40K Standard Profile
– OSDP
- **RDR-4NLW**
Signo 40K Standard Profile
– Wiegand

Communication type	NFC/ BLE	High Frequency								Low Frequency		
Credentials Technologies Supported	Seos (MobileIDs via NFC/BLE)	Seos	iCLASS SE	iCLASS SR	iCLASS	MIFARE DESFire EV1/ EV2/EV3 (SIO)	MIFARE Classic (SIO)	MIFARE DESFire EV1/ EV2/EV3 (CSN)	MIFARE Classic (CSN)	125kHz HID Proximity	125kHz Indala Proximity	125kHz EM4102 Proximity
Standard Profile	●	●	●	●	●	●	●	●	●	●	●	●
Seos Profile	●	●	—	—	—	—	—	—	—	—	—	—

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and service.

ASSA ABLOY Opening Solutions EMEA

Digital and Access Solutions

Dukes Court

Dukes Street

Woking GU21 5BH

United Kingdom

assaabloy.com 