Incedo™
Signo readers

Models: 20, 20K, 40, 40K variants
Seos® and standard profile Signo readers

ASSA ABLOY
Opening Solutions

Experience a safer
and more open world

Designed for maximum security, interoperability and convenience.

Colour LEDs which can simply be changed.

Futureproof security with inbuilt OSDP and totally remote management.

Accepts wide range of credential technologies.

Easy Migration from Wiegand to OSDP.

Bluetooth and Near Field Communication (NFC) compatibility.

A range of Signo models for all scenarios.

Configure for read in or read in and out.

Mobile ready, slimline design.

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

ASSA ABLOY

Added versatility
Signo accepts a wide range of credential technologies – including Seos®, iCLASS, MIFARE®, Incedo mobile keys and ASSA ABLOY PULSE 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 |

Works with Incedo™

GreenCircle CERTIFIED
A SUSTAINABLE SOLUTION

Signo readers – Specifications

Reader series	Signo reader			
ASSA ABLOY Signo Reader	**20**	**20K**	**40**	**40K**
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	RCM , CE (EU), Green circle certified			
Warranty	Limited Lifetime			

* available on special order

Product code and model information
for ordering ASSA ABLOY Signo Readers:

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	●	●	–	–	–	–	–	–	–	–	–	–

About ASSA ABLOY
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 and homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and services.

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