HID

iCLASS SE®
Decor Reader

Key Features

- Sustainable design – technology-independent reader with stylish form factor and flush mounting

- Integrator kit available for mounting third-party face plates – seamlessly fits light switch frames as well as most intercom systems

- Multi-technology reader for the widest variety of credential support including iCLASS Seos, iCLASS SE, MIFARE and DESFire EV1

- Provides secure upgrades for migration and an extended life cycle

- Supports mobile access applications

- Features field programming capability with enhanced functionality for future applications

- Includes intelligent power management and recycled content for sustainability

FLUSH-MOUNTED iCLASS SE® READER

- **Stylish form factor with flush mounting** – designed to fit within a standard wiring box using a snap on front bezel and faceplate that is flush with the surface of the wall

- **Adaptable** – Interoperable with a growing range of technologies (iCLASS Seos®, iCLASS SE®, standard iCLASS®, MIFARE®, and MIFARE DESFire® EV1 with custom data models) and form factors including mobile devices utilizing Seos®

- **Seamless upgrades** – Readers are field programmable, providing secure upgrades for migration and extended lifecycle.

- **Standardized communications** – Includes Open Supervised Device Protocol (OSDP) for secure, bidirectional communication.

The iCLASS SE® Decor reader is a flush-mounted or inset reader designed to meet the security needs of an organization, while providing a sleek new design for various architectural and style requirements.

Ideal for new and existing installations, the iCLASS SE Decor reader provides customers the assurance that their existing investments can be leveraged to enhance their system as business requirements change. The technology-independent reader supports iCLASS Seos®, iCLASS SE, standard iCLASS®, MIFARE®, MIFARE DESFire® EV1 credentials.

Additionally, the Decor reader can be used with multiple form factors, including smartphones and other mobile devices utilizing Seos.

This enables a new class of portable identity credentials that can be securely provisioned and safely embedded into both fixed and mobile devices.

The reader is part of HID Global's iCLASS SE® platform that is based on HID's Secure Identity Object™ (SIO®) data model and Trusted Identity Platform® (TIP™). The standards-based and flexible platform goes beyond the traditional smart card model to offer highly adaptable, interoperable and secure access control solutions.

Powerfully secure the iCLASS SE Decor reader offers advanced features such as multi-layered security beyond the card media and protection of keys/cryptographic operations using EAL5+ secure element hardware.

POWERFULLY SECURE:
- Multi-Layered Security – Ensures data authenticity and privacy through the multi-layered security of HID's SIO.
- EAL5+ Certified Secure Element Hardware – Provides tamper-proof protection of keys/cryptographic operations.
- Secured communications using OSDP with Secure Channel Protocol.
- Expanded iCLASS Elite™ Program – Extends private security by protecting uniquely keyed credentials, SIOs and programming keys.

HIGHLY ADAPTABLE:
- Mobile device support using card emulation - enabling HID access control.
- Allows for support of future technologies.
- Field Programmable Readers – Provides secure upgrades for migration and extended lifecycle.

- Intelligent Power Management (IPM) – Reduces reader power consumption by as much as 75% compared to standard operating mode.
- Recycled Content – Contributes toward building LEED credits.

INTEROPERABLE:
- SIO Media Mapping – Simplifies deployment of third-party objects to multiple types of credentials.
- Industry standard communications using OSDP.
- Custom programming support to read models on MIFARE and MIFARE DESFire EV1 credentials

SPECIFICATIONS

Model Name	R95A
	13.56 MHz Single Technology ID-1 Credentials (Cards) – SIO Data Model
Typical Read Range*	**iCLASS SE***: 2.75" (7 cm) **SE for DESFire® EV1:** 1.57" (4 cm) **SE for MIFARE® Classic:** 2.36" (6 cm)
	13.56 MHz Single Technology Tags/Fobs – SIO data Model
	iCLASS SE*: 1.57" (4 cm) **SE for MIFARE® Classic:** 1.18" (3 cm)
Colour	White, Black, Light Grey
Keypad	No
Product Weight (Terminal Strip)	Approx. 2.8 oz. (80 grams) (includes base reader module and cover assembly)
Operating Voltage Range	5-16 VDC, Linear supply recommended
Current Draw – Standard Power Mode*** (mA)	60 mA
Current Draw – Intelligent Power Management (IPM) Mode*** (mA)	40 mA
Peak Current Draw – Standard Power or IPM Mode*** (mA)	110 mA
NSC** Power Consumption – Standard Power Mode (W @ 16VDC)	1.0
NSC** Power Consumption – w/ IPM (W@ 16VDC)	0.6
Operating Temperature	-31º to 150º F (-35º to 65º C)
Storage Temperature	-67º to 185º F (-55º to 85º C)
Operating Humidity	5% to 95% relative humidity non-condensing
Environmental Rating	IP54
Transmit Frequency	13.56 MHz
13.56 MHz Card Compatibility	Secure Identity Object™ (SIO® Non-default programmable options include: additionally support – standard iCLASS® Access Control Application (order with standard interpreter)
Communications	Optional OSDP with SCP over RS485 Wiegand/Clock-and-Data Interface 500ft (150m) (22AWG) – Use shielded cable for best results
Panel Connection	Terminal Strip
Certifications	UL294/cUL**** (US), FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), RoHS
Crypto Processor Hardware Common Criteria Rating	EAL5+
Patents	US7124943, US6058481, US6337619
Housing Material	UL94 Polycarbonate
Manufactured with % of recycled content (Pigtail)	10.5%
Manufactured with % of recycled content (Terminal Strip)	10%
Sustainability	WEEE, Rohs, REACH
UL Ref Number	RA30E
Warranty	Limited Lifetime

* Typical read range achieved in air. Different types of metal will cause some degradation (typically up to 20%). Use spacers to space product off metal and improve read range if required.
** NSC = Normal Standby Current
*** Measured in accordance with UL294 standards
**** UL294 functionally certified for Wiegand output only

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