

# LECTUS secure readers (Wiegand)

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- ▶ 13.56 MHz proximity readers for connecting to access controllers with Wiegand interfaces
- ▶ Suitable for indoor and outdoor use
- ▶ Supports multiple technologies (iCLASS SE, MIFARE®, and MIFARE DESFire® EV1)
- ▶ Interoperable with a growing range of technology environments and form factors

## System overview

Ideal for new and existing installations, LECTUS secure readers provide customers the assurance that their existing investments can be leveraged to enhance their system as business requirements change. The technology-independent readers support standard iCLASS, iCLASS Seos, MIFARE classic, and MIFARE DESFire EV1. Available with four different form factors LECTUS secure readers meet nearly all installation requirements for indoor and outdoor use.

## Installation/configuration notes

The maximum cable length for a Wiegand system is 150m.

In order to prevent problems by reading cards with contact-free card readers, follow the instructions when planning and installing contact-free readers. Avoid installing contact-less card readers behind metallic (i.e. conductive) cases or on metallic surfaces. The gaps to be left are given in the following list:

- Distance between reader and metal surfaces attached to the side: min. 30 mm
- Distance between reader and 230 V~ voltage cables and power packs: min. 500 mm
- Distance between reader and HF-cables: min. 500 mm

## Technical specifications

Operating Voltage Range	5 to 16 VDC (12 VDC for RS 485)
Current draw	60 to 220 mA (peak), 16V (see manual for details)
Environmental rating	IP 55
Operating temperature	- 35 °C to 65 °C (-31 °F to 150 °F)
Humidity	5 to 95%, no condensation water
Housing Material	Polycarbonate (UL 94)
Color	Black
Display	Multicolored RGB LED bar
Panel connection	Wiegand, pigtail
Card compatibility	iCLASS iCLASS SE SEOS ISO 14443A CSN Mifare Classic 32bit (default) ISO 14443A CSN Mifare Desfire 56 bit
Operating frequency	13.56 MHz

Typical reading distance <sup>1)</sup> LECTUS secure 1000 WI	7.6 cm (iCLASS SE card) 7.6 cm (MIFARE DESFire EV1 card) 5.8 cm (MIFARE Classic card) 3.3 cm (iCLASS SE key fob) 1.3 cm (MIFARE Classic key fob)
Typical reading distance <sup>1)</sup> LECTUS secure 4000 WI	11.4 cm (iCLASS SE card) 11.4 cm (MIFARE DESFire EV1 card) 8.9 cm (MIFARE Classic card) 4.6 cm (iCLASS SE key fob) 3.8 cm (MIFARE Classic key fob)
Typical reading distance <sup>1)</sup> LECTUS secure 5000 W1	12.7 cm (iCLASS SE card) 12.7 cm (MIFARE DESFire EV1 card) 11.4 cm (MIFARE Classic card) 4.6 cm (iCLASS SE key fob) 3.8 cm (MIFARE Classic key fob)

<sup>1)</sup>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.

Dimension (W x H x D)	See ordering information
Weight (g)	See ordering information

NOTE: Using the Surface mount panel with the ARD-SER10-xx will:

- Reduce the environmental rating class to IP45, and
- Disable the tamper protection.

NOTE: HID listings for UL and FCC are valid for this product family. For details see [www.hidglobal.com/certifications](http://www.hidglobal.com/certifications).

## Ordering information

### ARD-SER10-WI Card reader, iCLASS, Wiegand

iCLASS/MIFARE reader, mini-mullion size, suited for mullion-mounted door installations, U.S. single-gang J-box or any flat surface, pigtail, 4.8 x 10.3 x 2.3 cm, 113g net

Order number **ARD-SER10-WI**

### ARD-SER40-WI Card reader, iCLASS, Wiegand

iCLASS/MIFARE reader, wall switch size, designed to mount and cover single gang switch boxes primarily used in the Americas, includes a slotted mounting plate for European and Asian back box spacing, pigtail, 8.4 x 12.2 x 2.4 cm, 220g net

Order number **ARD-SER40-WI**

### ARD-SERK40-W1 Card reader with keypad, iCLASS, Wiegand

iCLASS/MIFARE reader, wall switch size, designed to mount and cover single gang switch boxes primarily used in the Americas, slotted mounting plate for European and Asian back box spacing, pigtail, keypad (4x3), 8.5 x 12.2 x 2.8 cm, 256g net

Order number **ARD-SERK40-W1**

### F01U508789 Surface mount panel, 10pcs

Surface-mount panel for LECTUS secure 1000 WI readers, 10 items/packaging unit

Order number **F01U508789**

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