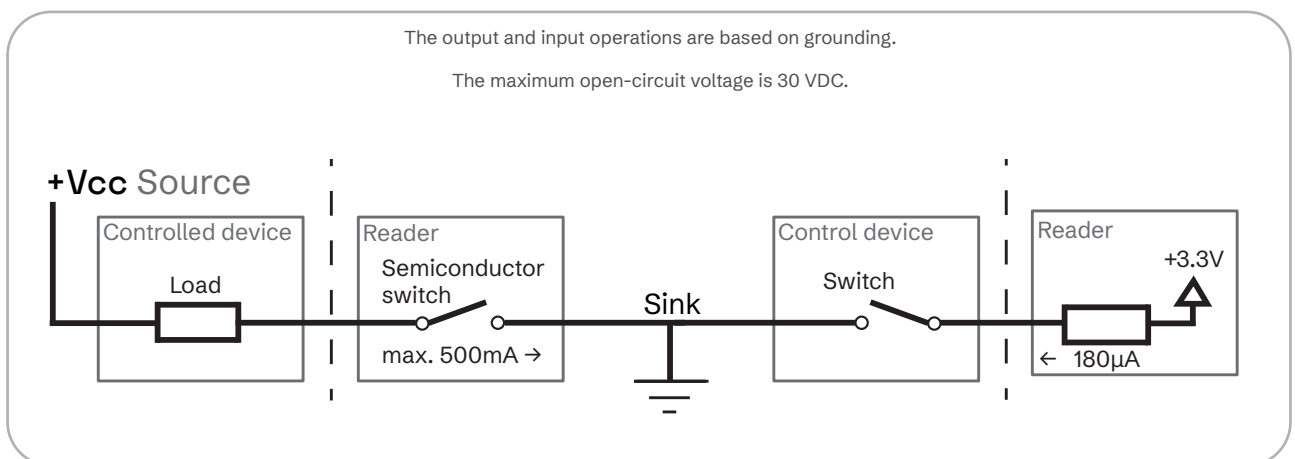
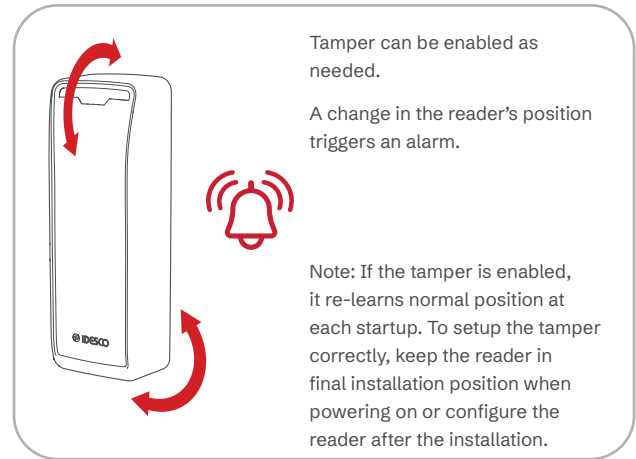
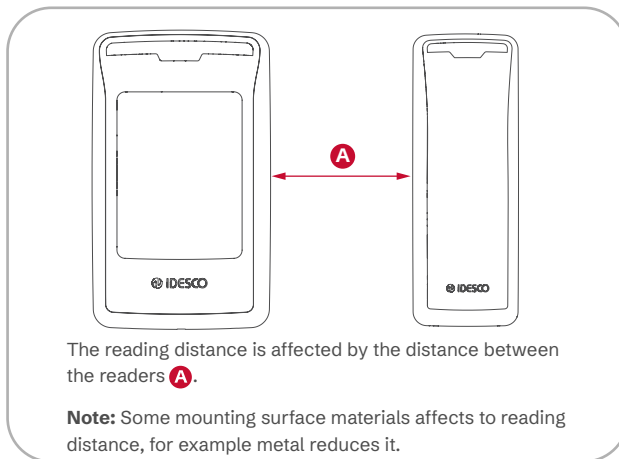


Installation instructions

CARDEA



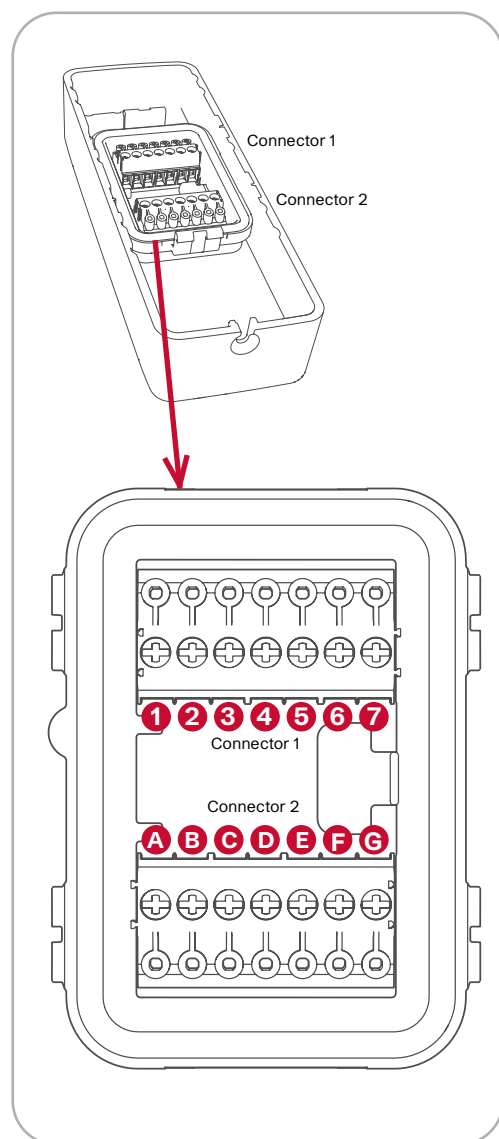
WARNINGS AND ADDITIONAL INFORMATION



CONTENTS OF THE READER PACKAGE:

Reader, mounting plate, connector housing cover and connectors.

CONNECTORS AND CONNECTIONS



POWER SUPPLY 10...30 VDC

Power consumption: 2.5W in Idesco default configuration

PINS	CONNECTIONS	PIGTAIL CABLES
Connector 1		
1	VDC	Red ●
2	GND	Black ●
3	RS-485 D+A ^{3 6} / WIE1, C&D Clock ¹	White ○
4	RS-485 D-B ^{3 6} / WIE0, C&D Data ¹	Green ●
5	Out 1 ^{2 3}	Red-Blue ●
6	Out 2 ^{2 3}	Brown-Green ●
7	In 1 ^{2 3}	White-Green ●
Connector 2		
A	Disable keypad ¹ / In 2 ³	Grey-Pink ●
B	Keypad backlight ¹ / Address ⁴	Violet ●
C	RS-232 Rx D ^{1 6}	Grey ●
D	RS-232 Tx D ^{1 6}	Pink ●
E	Red / LED 1 ^{2 4 5}	Brown ●
F	Green / LED 2 ^{2 4 5}	Blue ●
G	Buzzer ^{1 4}	Yellow ●

1) For Wiegand

2) For Wiegand, configurable

3) For OSDPv2

4) For OSDPv2, configurable

5) Main LED's colours and their external controls are configurable

6) Can be used for reader firmware updates

The colors match the accessory cable supplied by Idesco.

INSTALLATION

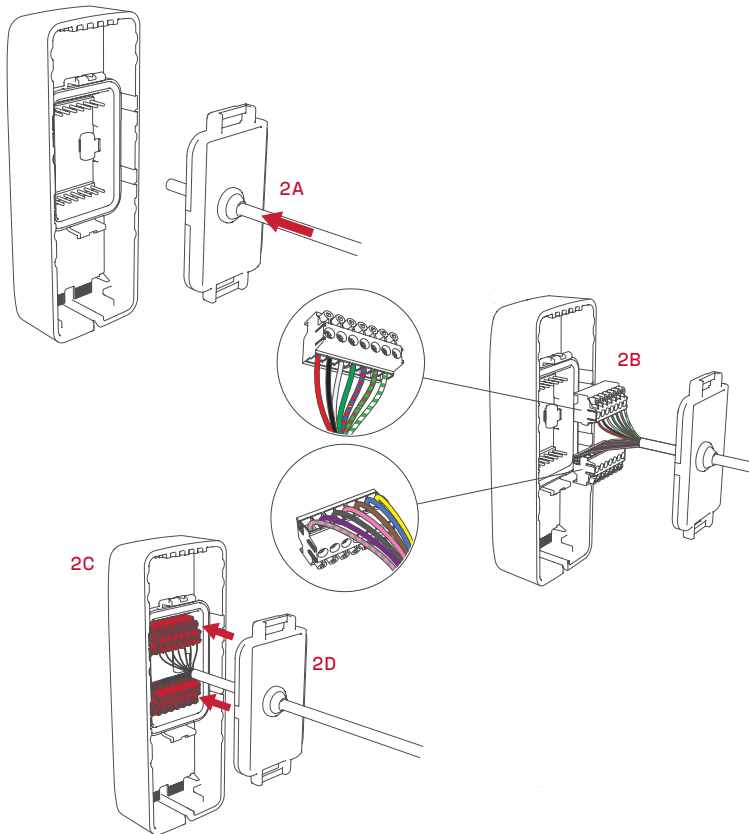
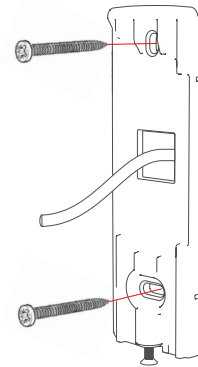
The exact dimensions of the products can be found on the following page.

1 Install the mounting plate

Attach the mounting plate to the wall with screws.

Note: Do not overtighten.

We recommend using dome head screws suitable for the wall material.



2 Wiring the reader

2A) Thread cable through the hole in the connector housing cover but do not remove the grommet.

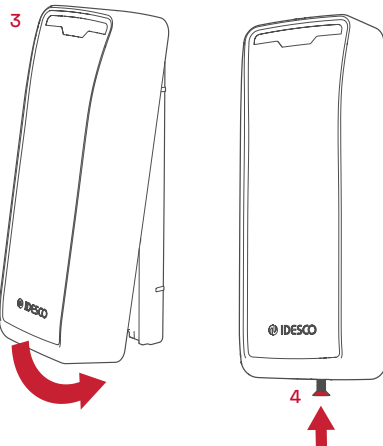
Use a cable approximately 6mm $\pm$ 0.5mm thick.

2B) Connect wires to connector in correct positions (follow guide on page 2).

Note: Incorrect wiring can permanently damage a reader.

2C) Install connectors to the reader.

2D) Press the connector housing cover into place.



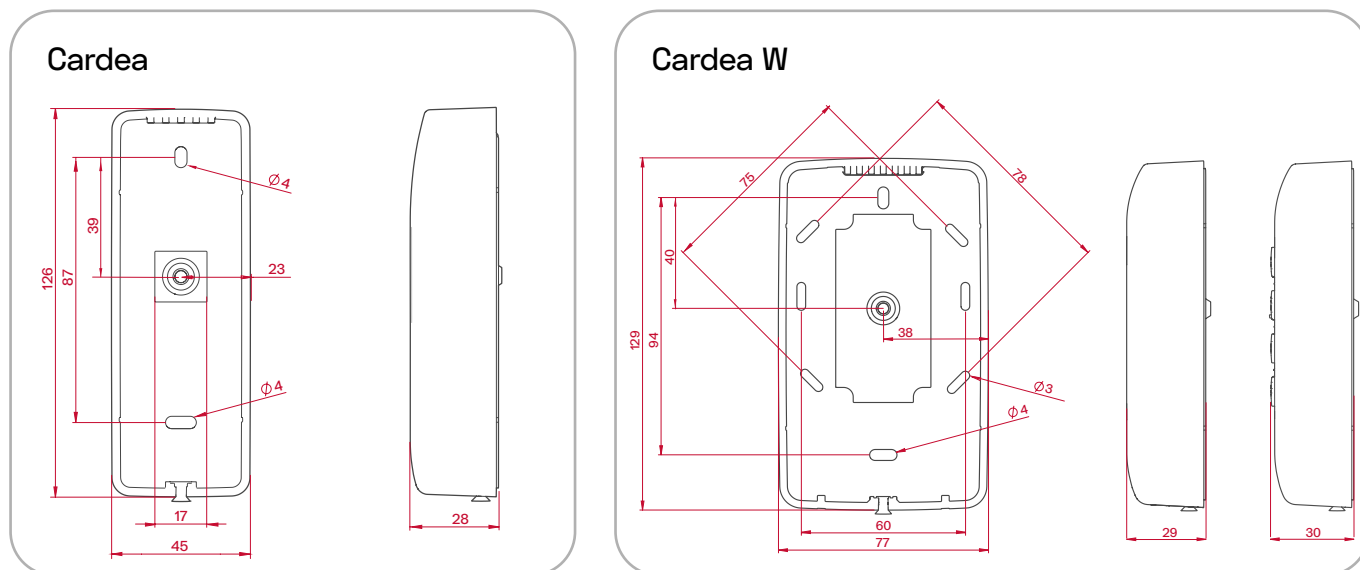
3 Attach the reader

Attach the reader to the mounting plate with a hinge-like motion.

4 Tighten the security screw

Tighten the security screw (M3 x 12 mm) from the bottom of the housing.

DIMENSIONS



REGULATORY

This reader complies with the requirements of the EMC Directive 2014/30/EU, the Low Voltage Directive 2014/35/EU, the RoHS Directive 2011/65/EU, the RED Directive 2014/53/ EU and accordingly carries the CE marking.

FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Canada Radio Certification

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage.
2. L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Prolonged stay in the immediate proximity of the reader (< 20 cm) should be avoided.

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