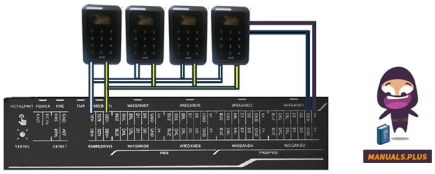
ASIS technologies R100 Reader



ASIS technologies R100 Reader User Guide

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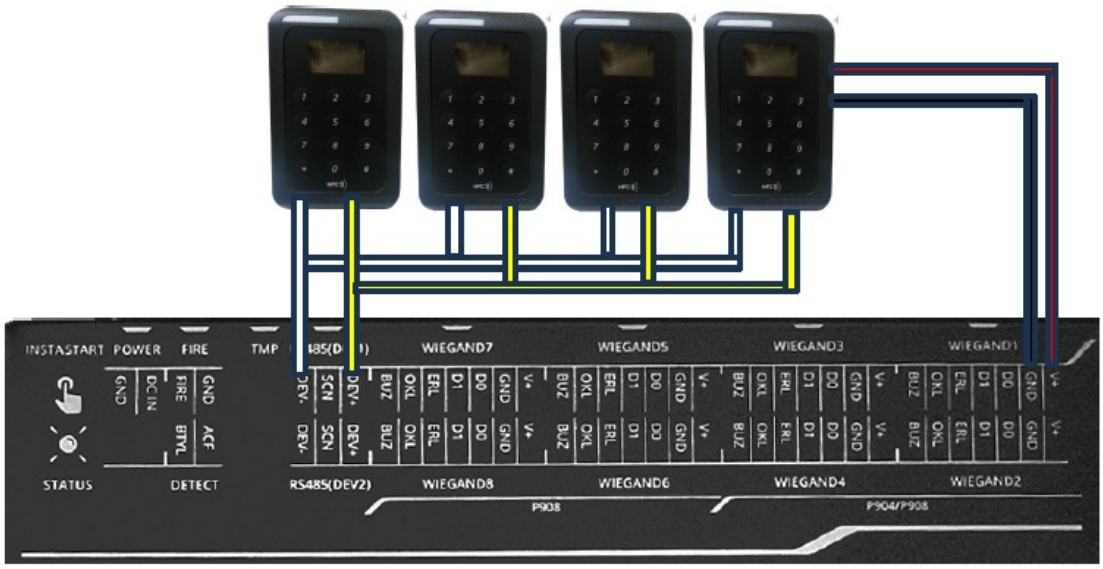


Product Usage Instructions

DIP Switch Setting

The R101 reader has an 8-way DIP switch with functions as shown in the table below:

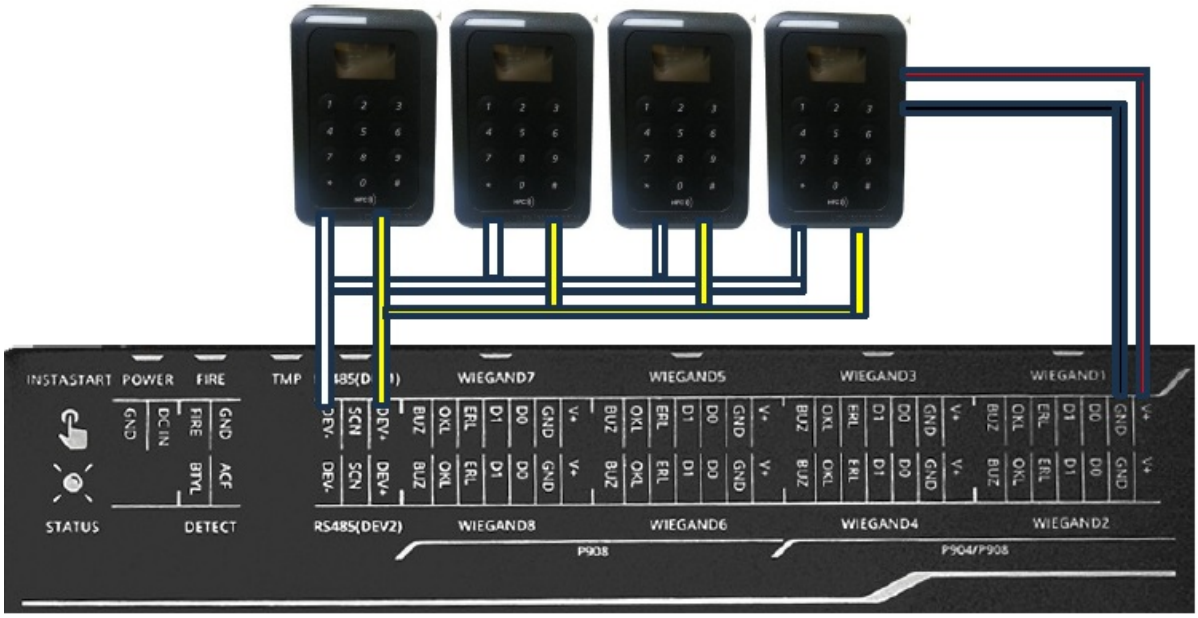
Reader Address Setting

Installation and Mounting Instructions

Refer to the provided physical dimensions for installation and follow the mounting method shown in Figure 3.

Wired to Webentra controller RS485(DEV1)

Color	Black	Red	White	Yellow
Description	Ground	12V+	RS485-	RS485+



DIP Switch Setting

R101 reader has 8 way DIP switch with function as show in below table.

Bit	Label	Function in RS485
1	A0	Address bit 0
2	A1	Address bit 1
3	A2	Address bit 2
4	A3	Address bit 3
5	Mode RS485/ Wiegand	OFF – Wiegand, ON – RS485
6	8/4 Byte	OFF – 8 byte, ON – 4 byte
7	CSN/CAN	OFF – CSN, ON – CAN
8	TST	OFF – Run, ON – Testing

Reader address setting

Reader number	Reader address	Bit 1	Bit 2	Bit3	Bit4	Bit5
Reader 1	80	0	0	0	0	1
Reader 2	81	1	0	0	0	1
Reader 3	82	0	1	0	0	1
Reader 4	83	1	1	0	0	1
Reader 5	84	0	0	1	0	1
Reader 6	85	1	0	1	0	1
Reader 7	86	0	1	1	0	1
Reader 8	87	1	1	1	0	1

Installation and Mounting Instruction

- Identify the reader mounting location. The reader may install onto any surface, including metal.
- Remove the snap on cover and use the reader as a template, draw the mounting hole position onto the mounting surface. Drill 2 appropriate holes to install the reader.
- Drill a 25mm hole for the cable.
- Connect the external (site) cable to the terminal block on the reader according to the wiring code below. Double-check the wiring connection.
- Replace the snap on cover and tighten it with the screw provided.
- Switch on the power to test the reader and observe.

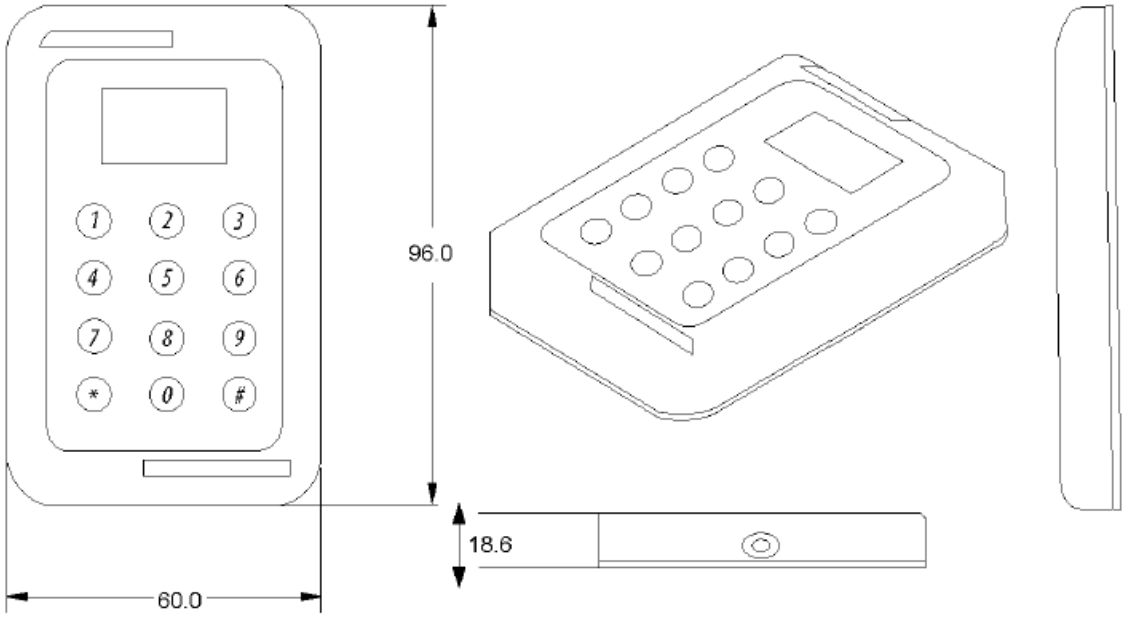


Figure 1 Physical Dimension

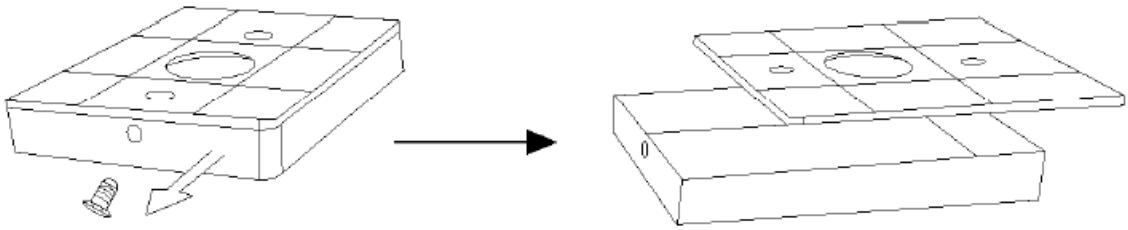


Figure 2 Removal of Cover

To remove the reader's cover, unscrew the screw in the bottom and flip open the cover

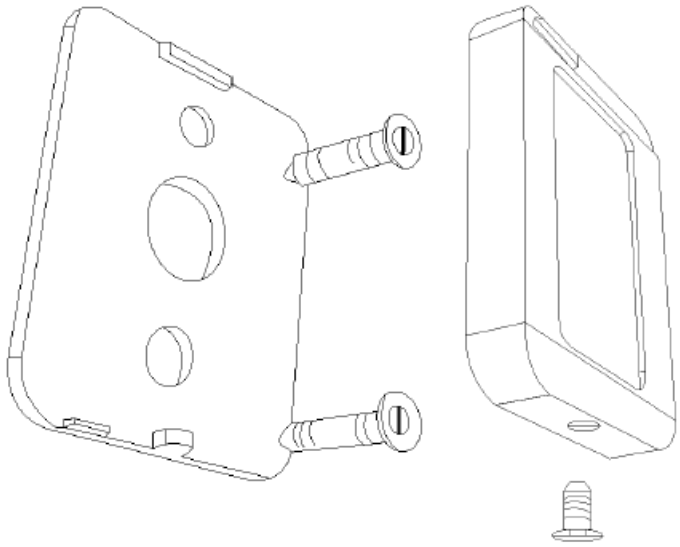


Figure 3 Mounting Method

Product Specification

Power Supply (Recommend)	Regulated linear power supply, +12VDC, 300mA
Operating Voltage Range	12VDC
Operating Current at +12VDC	85mA (average) – 185mA (peak)
Maximum Cable Distance	150meters (500feet) (base on Belden 9538 24AWG 0.6mm, 8 core cable foil shield) (for weig h and interface) (base on Belden 9534 24AWG 06.mm, 4 core cable foil shield) (for RS4 85 interface)
Read Range	2 to 4 cm (Read Range is dependent on local installation, card type)
Transmit Frequency	13.56MHz
LED	Tri Color – Red, Green, Amber
LCD Display	96 x 64 Graphic LCD (R105/R106)
Buzzer	Multi-tone
Operating temperature Range	-20oC to 50oC (-22oF to 150oF)
Colour	Black
Material	ABS

Weight	350 grams
Dimension	95mm (Height) X 60mm (Width) X 16mm (Thickness)
Wire Termination	10 conducting wire at length approx. 300mm
Reader Mode	Card Only, Card and PIN.
PIN Input	1 – 6 Digits (R105/R106)
Keypad	3 x 4 Keys (R105/R106)
Communication Interface	RS485 or Wiegand (Selectable)
Wiegand interface Output bit format	26, 32, 37, 40, 56, 80, 168(Asis) bits format and 8-digit 32, 37, 40 bits fo rmat
Support Card Type	Mifare (ISO 14443-A, ISO 14443-B)
EZ-Link	Output CAN or CSN (Selectable)
Mounting	Hook On Bracket

FCC Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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

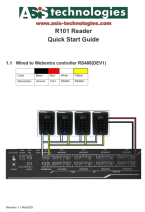
1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Frequently Asked Questions

Q: What is the recommended power supply for the R101 reader?
A: The recommended power supply is [insert recommended power supply details here].

Documents / Resources

	ASIS technologies R100 Reader [pdf] User Guide R100, R100 Reader, Reader

References

- User Manual