AXIS A4120-E Reader with Keypad

User Manual

Installation

To watch this video, go to the web version of this document.

www.axis.com/products/online-manual/70694#t10181121

Installation video for AXIS A4120-E Reader with Keypad

Wiring

Connect the wires from the reader to the door controller according to the table.

AXIS A4020-E AXIS A4120-E	AXIS A1001	Other Axis door controllers
B	A	B
A	B	A
+	12 V	12 V
–	–	–

Configure your device

The device works as a standard OSDP reader out-of-the-box. You can access specific features and change settings in AXIS Camera Station Secure Entry. Below is an example of how to configure the device through AXIS Camera Station Secure Entry.

Encrypted communication

OSDP Secure Channel

AXIS Camera Station Secure Entry supports OSDP (Open Supervised Device Protocol) Secure Channel to enable line encryption between controller and Axis readers.

To turn on OSDP Secure Channel for entire system:

1. Go to **Configuration > Access control > Encrypted communication**.

2. Specify your main encryption key and click **OK**. To change the main encryption key, click .

3. Turn on **OSDP Secure Channel**. This option is only available after you have set the main encryption key.

4. By default, the OSDP Secure Channel key is generated by the main encryption key. To manually set the OSDP Secure Channel key:

   4.1 Under **OSDP Secure Channel**, click .

   4.2 Clear **Use main encryption key to generate OSDP Secure Channel key**.

   4.3 Type the OSDP Secure Channel key and click **OK**.

To turn on or turn off OSDP Secure Channel for a specific reader, see *Doors and zones*.

Troubleshooting

Reset to factory default settings

A reset to factory default resets all settings to the factory default values.

To watch this video, go to the web version of this document.

*www.axis.com/products/online-manual/70694#t10180401*

1. Remove the device from the backplate. This disconnects power from the device.

2. Remove the connector from the backplate.

3. Use a blunt instrument to press and hold the control button while you reconnect power by connecting the terminal block to the pins in the device. See *Product overview on page 5*. You will hear a short beep when you reconnect power. It indicates that the control button is pressed.

4. Keep the control button pressed for a few seconds.

5. Release the control button. You will hear a beep that indicates that the device has been reset to the factory default settings.

6. Put the terminal block in its place in the backplate.

7. Hook the device onto the backplate and close the unit slowly.

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Specifications

Specifications

Product overview
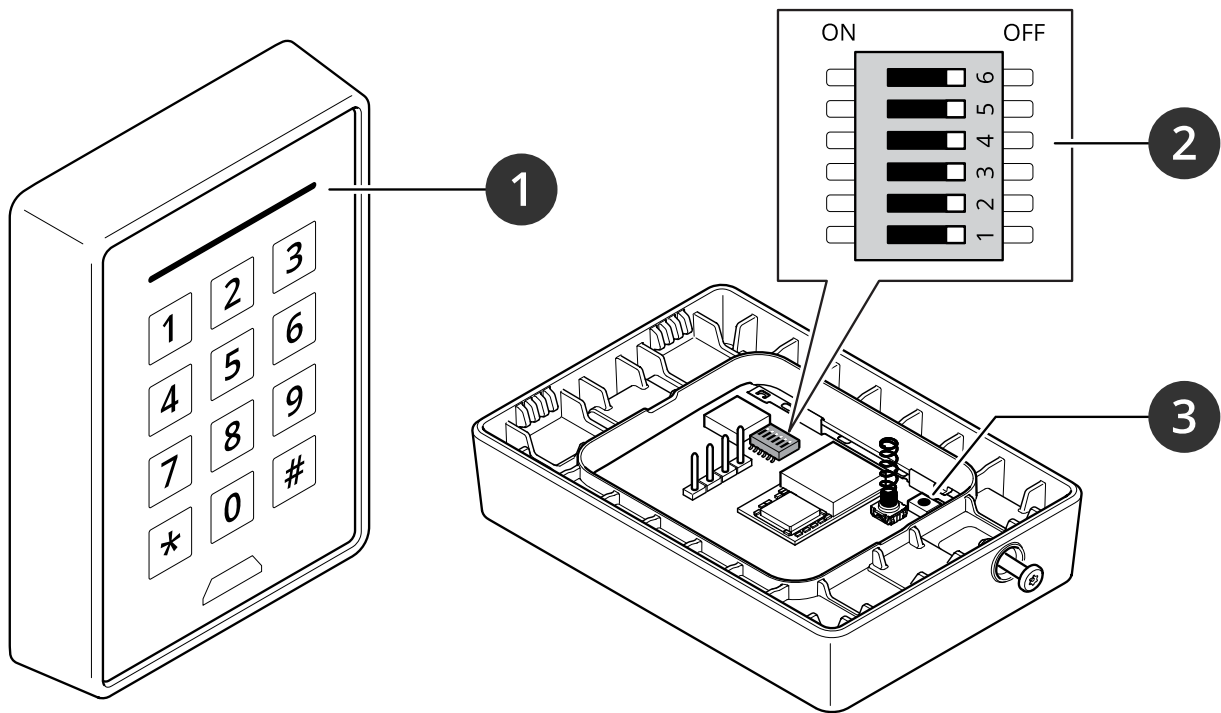
1   Reader indicator stripe
2   DIP switches
3   Control button

Reader indicator stripe

Behavior	State
Flashing red	Waiting for controller connection

DIP switches

DIP switch	Default setting	Function
1	Off	OSDP address: Off + Off = 0* Off + On = 1 On + Off = 2 On + On = 3
2	Off	
3	Off	RS485 termination, Off = active
4	Off	Visually impaired mode**
5	Off	Keypad backlight, On = always on, Off = controlled by OSDP

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6	Off	Secure mode***

* When switch 1 and 2 are both set to Off, you can use the command `osdp_COMSET` to change the address.
** Visually impaired mode adds a delay before a key press is registered. Turn on visually impaired mode only if AXIS TA4401 Braille Label is installed on the device.
*** When secure mode is turned on, the reader doesn't allow unencrypted communication. See *Encrypted communication on page 3* .

Buttons

Control button

The control button is used for:

- Resetting the product to factory default settings. See *Reset to factory default settings on page 4* .

Baud rate

The default baud rate is 9600. To change it, use the command `osdp_COMSET`.