AXIS A4x20-E Readers

AXIS A4020-E Reader

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/70685#t10171383

Installation video for the device

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

AXIS Camera Station Secure Entry supports OSDP (Open Supervised Device Protocol) Secure Channel to enable line encryption between controller and AXIS A4020-E Reader.

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 .

Troubleshooting

Reset to factory default settings

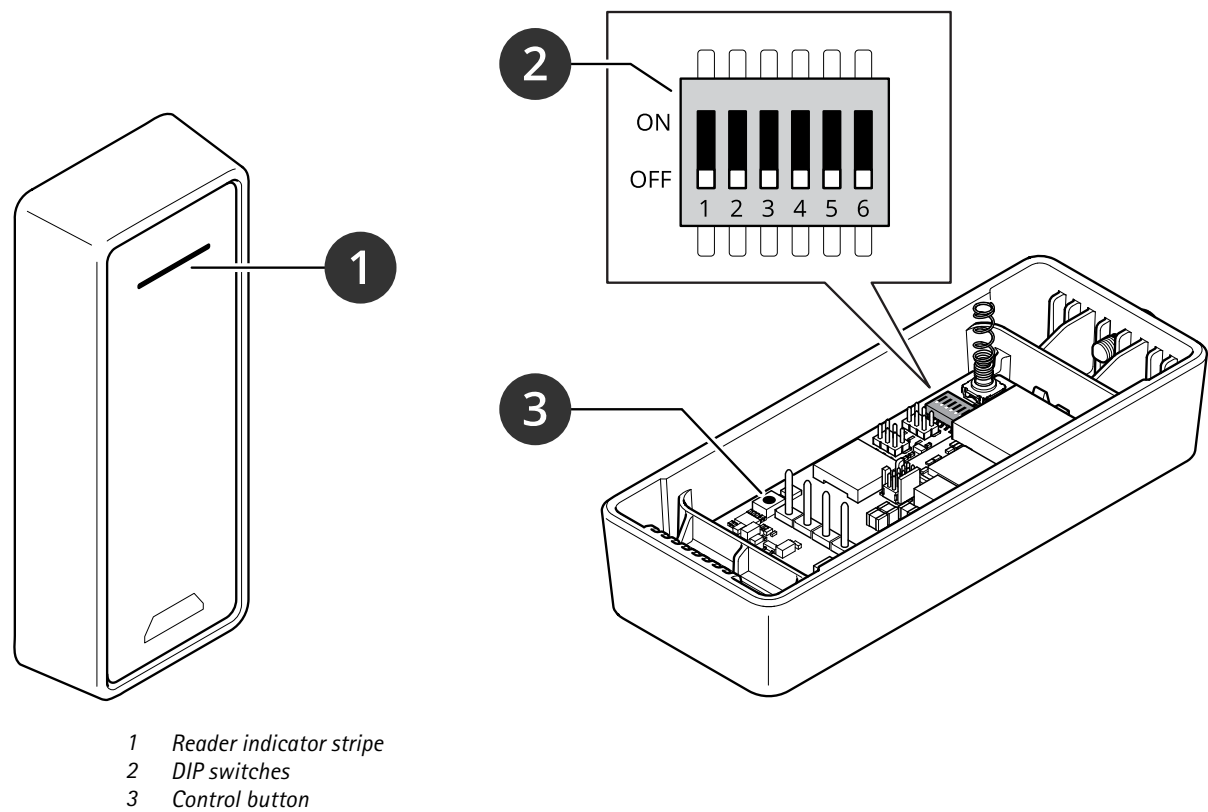A reset to factory default resets all settings to the factory default values.

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

2. 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 beep when you reconnect power.

3. Keep the control button pressed for 5–10 seconds.

4. Release the control button. The device has been reset to the factory default settings.

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

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

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	–
5	Off	–

Specifications

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.		

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`.