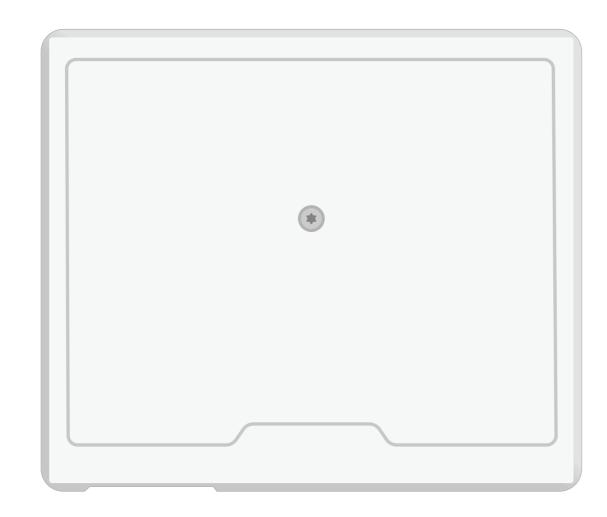
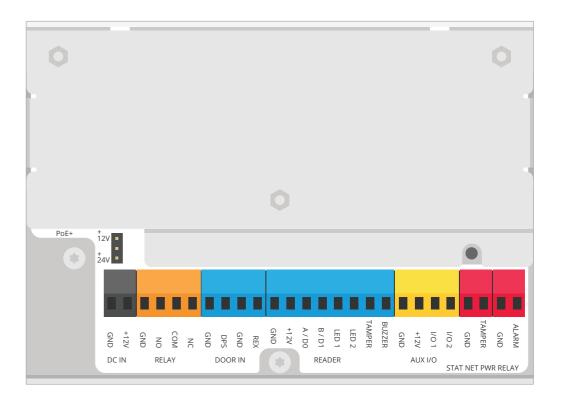
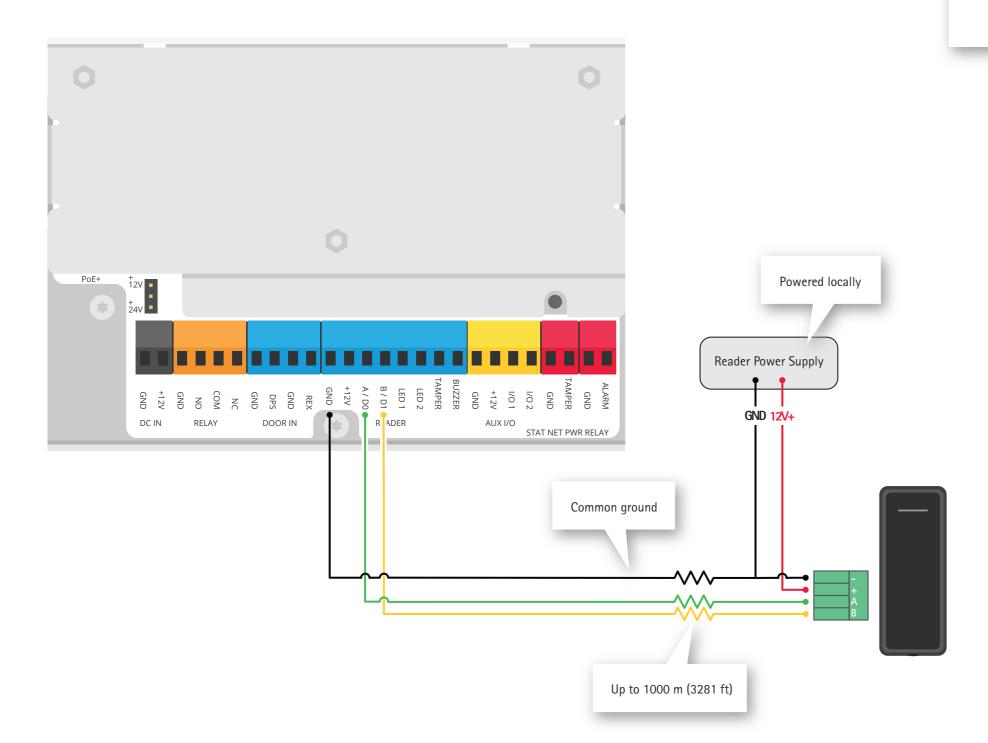


AXIS A12 Network Door Controller Series





Installation with long cable for OSDP reader



Requirements

- > Reader powered locally, not by controller
- > Reader data wiring
 - > RS485 cable, only RS485 communication in cable
 - > Twisted pair with shield
 - > AWG 24
 - > 120 ohm impedance

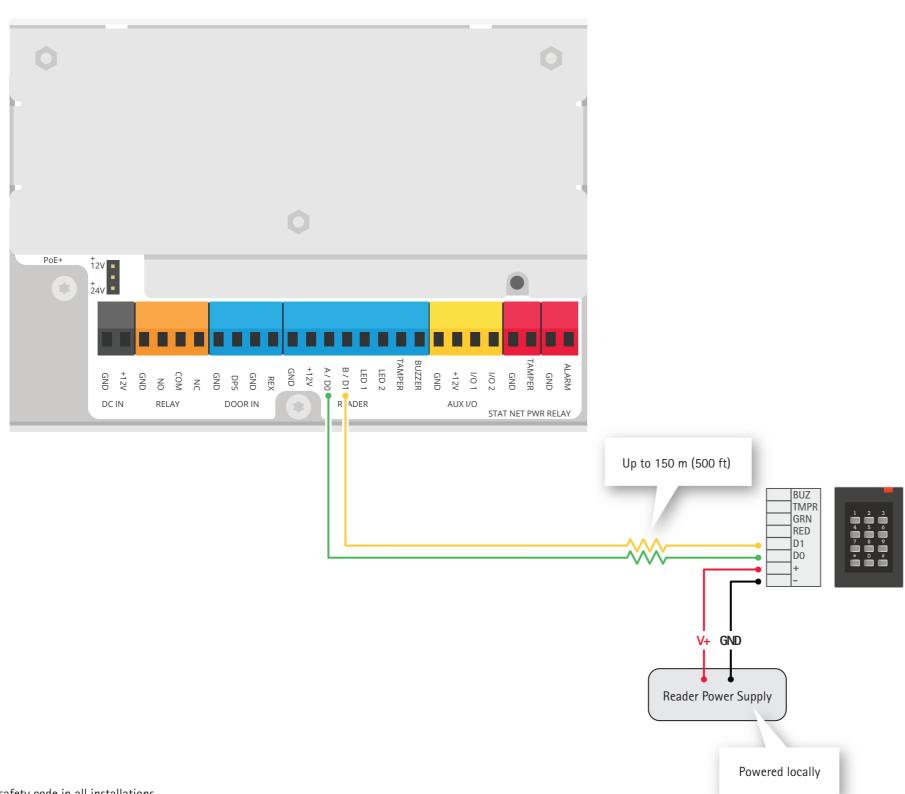
Adhere to local life safety code in all installations.

Illustration does not depict door monitors, REX devices, locks, controller power supply, network switch, battery backup and UPS. Ensure that your power supplies and relays are rated for the intended purposes.

Installation with long cable for Wiegand reader

Requirements

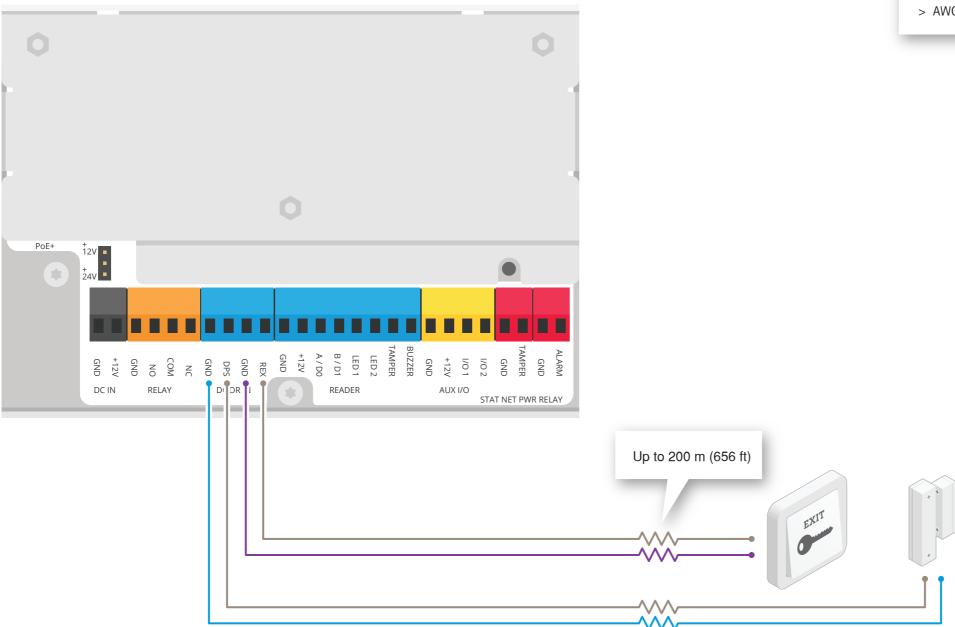
- > Reader powered locally, not by controller
- > Reader data wiring
 - > AWG 22



Adhere to local life safety code in all installations.

Illustration does not depict door monitors, REX devices, locks, controller power supply, network switch, battery backup and UPS. Ensure that your power supplies and relays are rated for the intended purposes.

Installation with long cable for door inputs



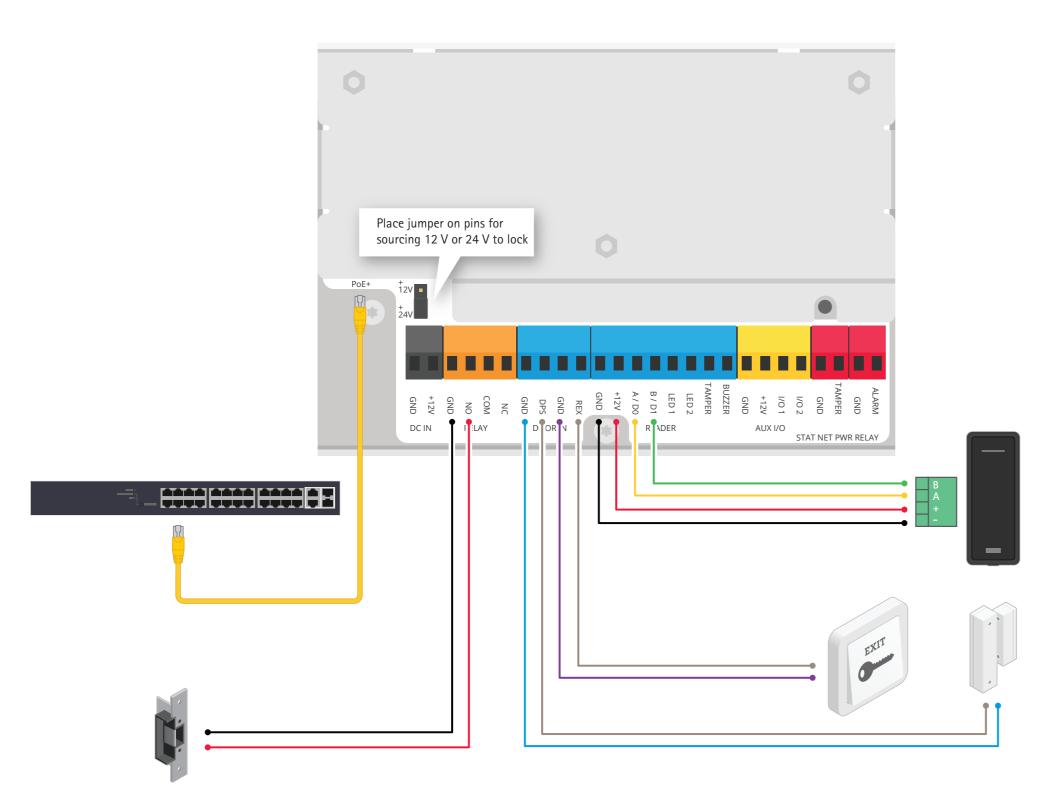
Application

Input cable is longer than recommended 30 m (100 ft)

Requirements

> AWG 28-16

Standard installation



Adhere to local life safety code in all installations. Illustration does not depict battery backup and UPS.

Ensure that your power supplies and relays are rated for the intended purposes.

This is just an example. Always refer to the pin chart provided from AXIS Camera Station for installation.

Application

Standard one-door installation with configuration in AXIS Camera Station

Considerations

- > 12 V or 24 V fail-secure lock
- > PoE Class 4 switch
- > All peripheral consumption within the controller's power budget

AXIS Camera Station configuration

- 1. Add a door
- 2. Connect to a door controller
- 3. Select Relay 1 for the first lock

Locks

Relay port 1 ▼

Not connected

4. Add a door monitor and assign it to I/O 5

Door monitor ^

DPSREX

5. Add an OSDP reader on door side A and assign it to Reader port 1

Reader

General Advanced

Reader port 1 on device card

Reader port 2 on device card

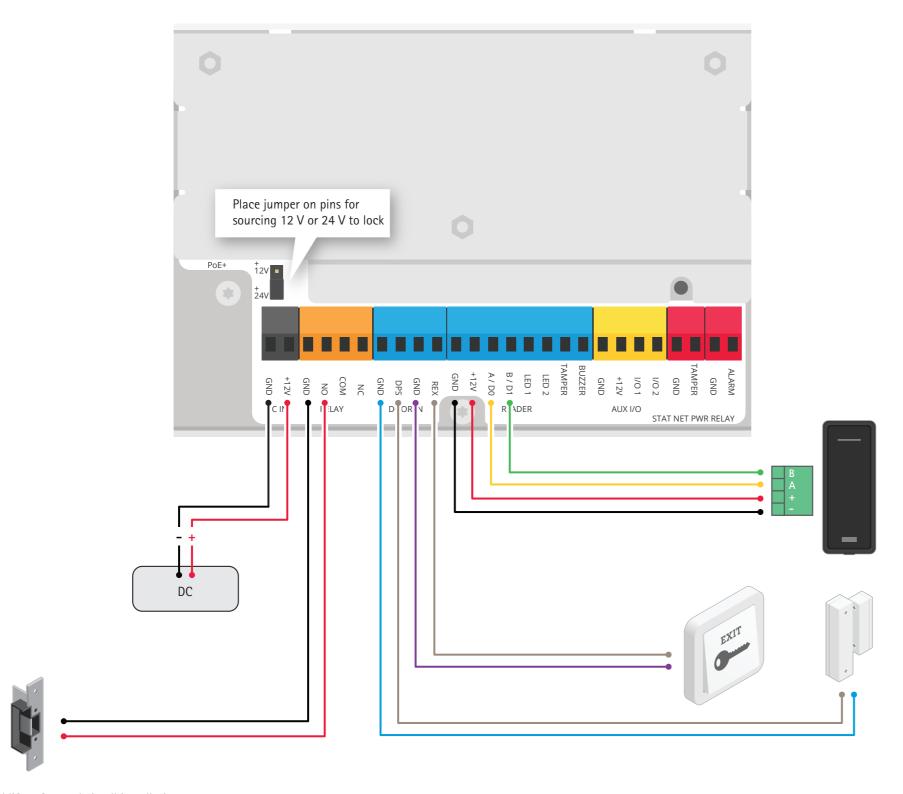
OSDP RS485

6. Add a REX device on door side B and assign it to I/O 6

REX device ^

REX

Standard installation powered by DC



Adhere to local life safety code in all installations.

Illustration does not depict door monitors, REX devices, locks, battery backup and UPS.

Ensure that your power supplies and relays are rated for the intended purposes.

This is just an example. Always refer to the pin chart provided from AXIS Camera Station for installation.

Application

2100 mA at 12 V if powered by DC 1400 mA at 12 V if powered by PoE Class 4

Considerations

- > 12 V or 24 V fail-secure lock
- > PoE Class 4 switch
- > All peripheral consumption within the controller's power budget

AXIS Camera Station configuration

- 1. Add a door
- 2. Connect to a door controller
- 3. Select Relay 1 for the first lock

Locks

Relay port 1

Not connected

4. Add a door monitor and assign it to I/O 5

Door monitor

DPS

O REX

5. Add an OSDP reader on door side A and assign it to Reader port 1

Reader

General Advanced

Reader port 1 on device cardReader port 2 on device card

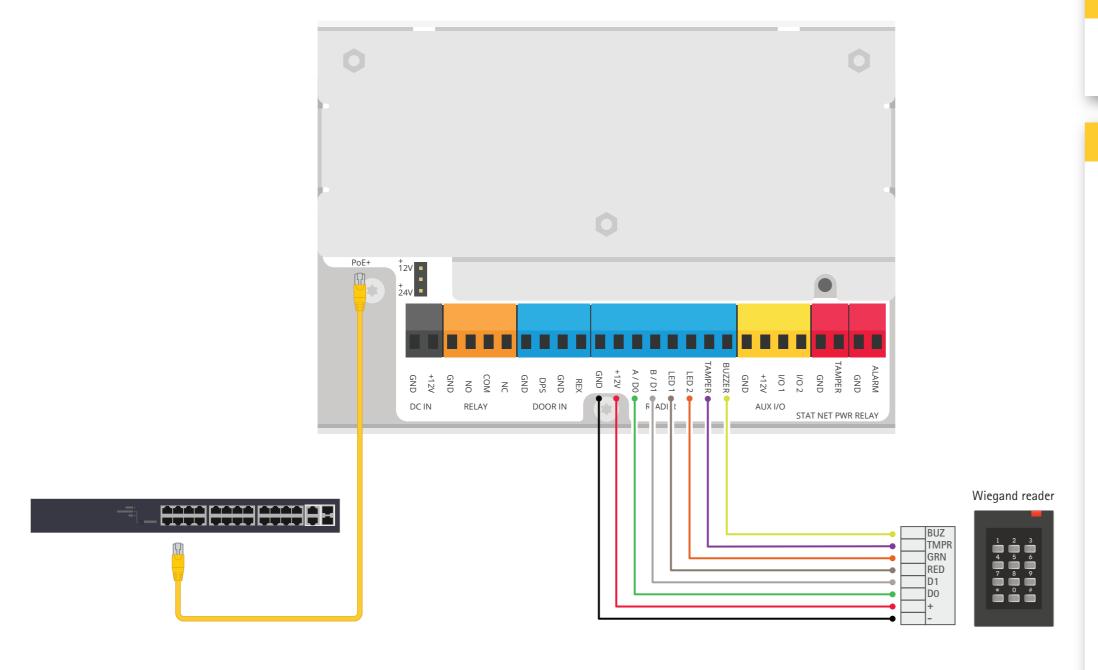
OSDP RS485

REX

6. Add a REX device on door side B and assign it to I/O 6

REX device ^

Possible reader options



Application

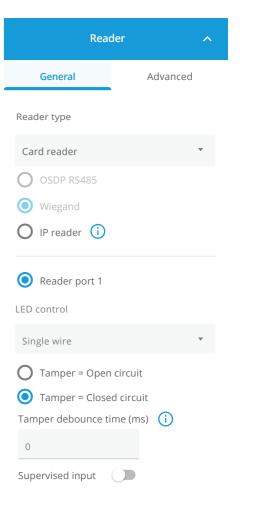
One Wiegand reader for the controller with configuration in AXIS Camera Station

Considerations

- > PoE Class 4 switch
- > All peripheral consumption within the controller's power budget

AXIS Camera Station configuration

- 1. Add a door
- 2. Connect to a door controller
- 3. Add a Wiegand reader with Dual wire LED control on door side A and assign it to Reader port 1

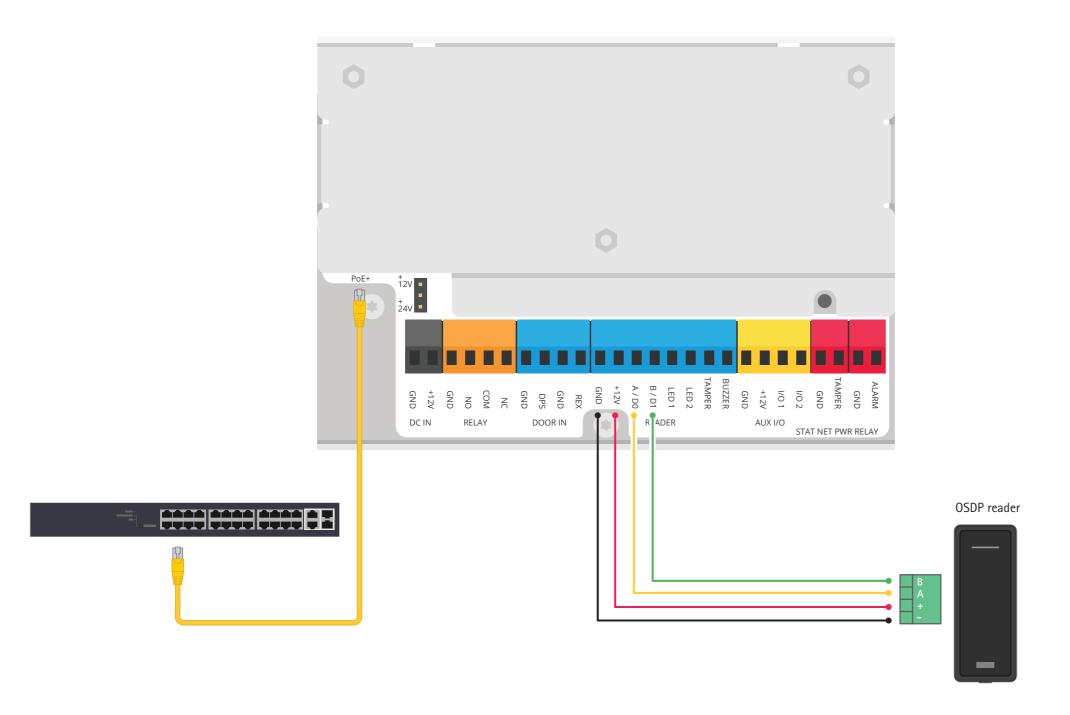


Adhere to local life safety code in all installations.

Illustration does not depict door monitors, REX devices, locks, battery backup and UPS.

Ensure that your power supplies and relays are rated for the intended purposes.

Possible reader options



Application

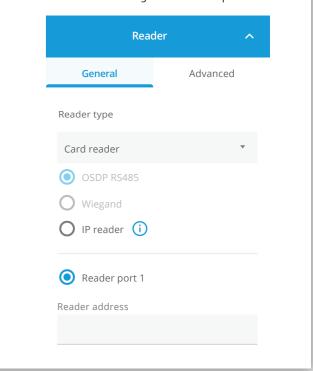
One OSDP for the controller with configuration in AXIS Camera Station

Considerations

- > PoE Class 4 switch
- > All peripheral consumption within the controller's power budget

AXIS Camera Station configuration

- 1. Add a door
- 2. Connect to a door controller
- 3. Add an OSDP reader on door side A and assign it to Reader port 1



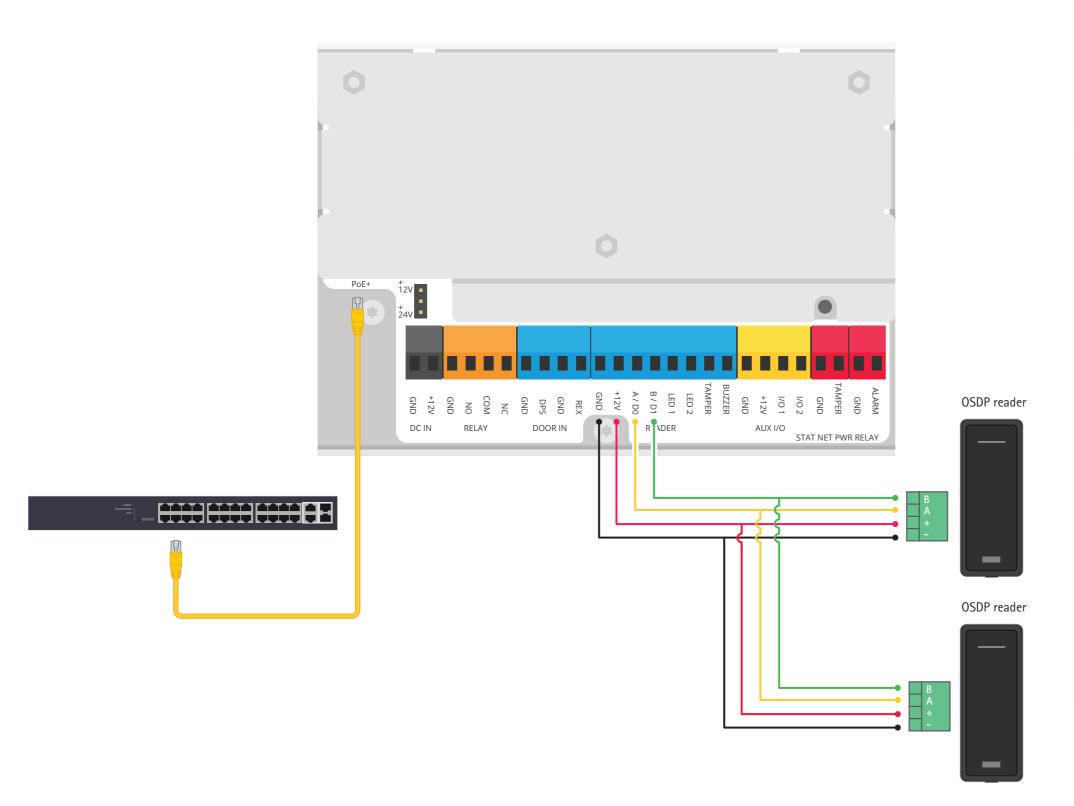
Adhere to local life safety code in all installations.

Illustration does not depict door monitors, REX devices, locks, battery backup and UPS.

Ensure that your power supplies and relays are rated for the intended purposes.

This is just an example. Always refer to the pin chart provided from AXIS Camera Station for installation.

Possible reader options



Application

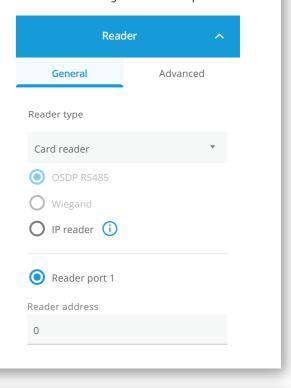
Two OSDP readers (multi-drop) for the controller with configuration in AXIS Camera Station

Considerations

- > PoE Class 4 switch
- > All peripheral consumption within the controller's power budget

AXIS Camera Station configuration

- 1. Add a door
- 2. Connect to a door controller
- 3. Add an OSDP reader on door side A and assign it to Reader port 1



OSDP termination must be set on the last reader in the chain.

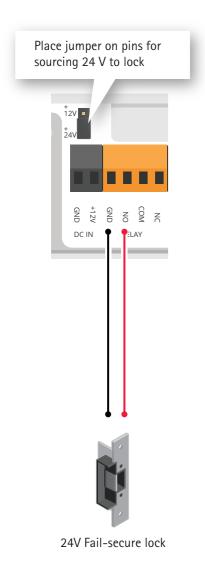
Adhere to local life safety code in all installations.

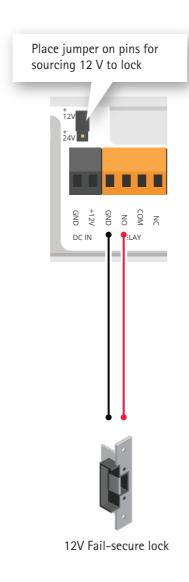
Illustration does not depict door monitors, REX devices, locks, battery backup and UPS.

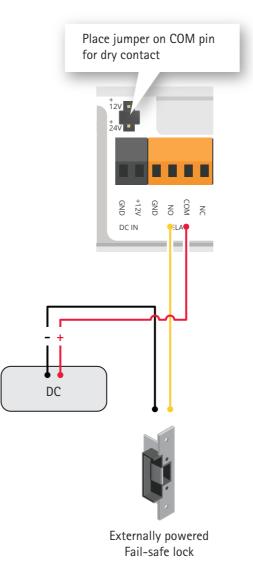
Ensure that your power supplies and relays are rated for the intended purposes.

This is just an example. Always refer to the pin chart provided from AXIS Camera Station for installation.

Possible relay options for A-line products







Application

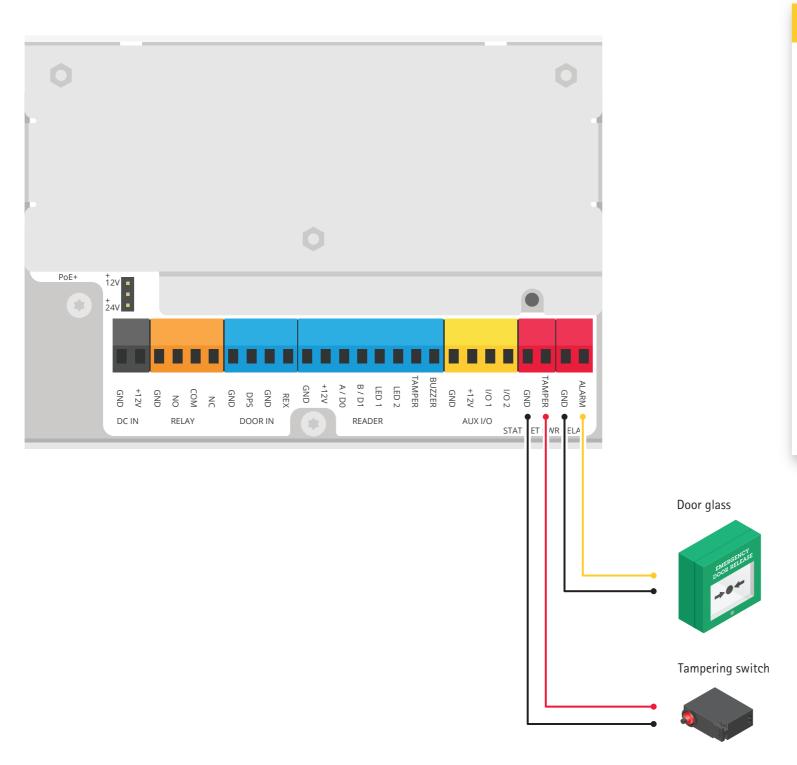
Configuration of A-line relays with jumpers

Applicable for:

- Axis door controllers
- Axis I/O relay modules

For product-specific voltage and specification for the relay, see the product datasheet.

External tamper and emergency input connections



Application Cable should not be longer than 30 m (100 ft)

