AXIS A8207–VE Network Video Door Station
AXIS A8207–VE MkII Network Video Door Station
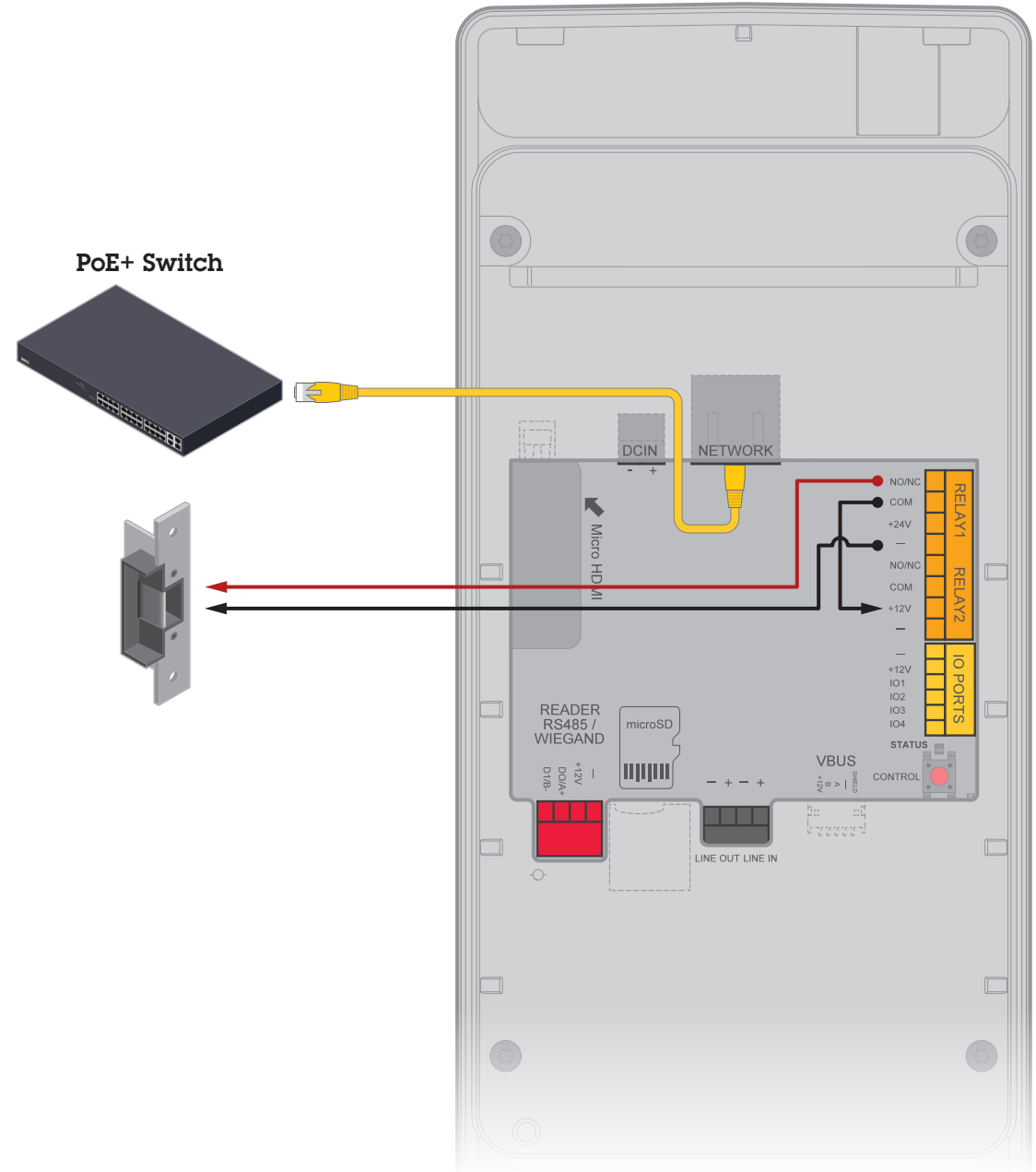
Electrical Wiring Drawings

Relay powered by PoE (12V)

Configure relay state in the product's webpage

1. To check relay state, go to:
   Hardware > I/O ports > Relays

2. Click **Edit**.

3. Depending on your lock type, set **Normal state** to:

   Open circuit for a fail-secure lock

   Closed circuit for a fail-safe lock

4. Click **Save**.

PoE+ Switch

DCIN

NETWORK

Micro HDMI

NO/NC
COM
+24V
—
NO/NC
COM
+12V
—

RELAY1

RELAY2

—
+12V
IO1
IO2
IO3
IO4

IO PORTS

STATUS

CONTROL

READER
RS485 /
WIEGAND

microSD

D1/B
DO/A
—
+12V

VBUS

+12V
B
A
SHIELD

LINE OUT   LINE IN

Two lock relays powered by PoE (12V)

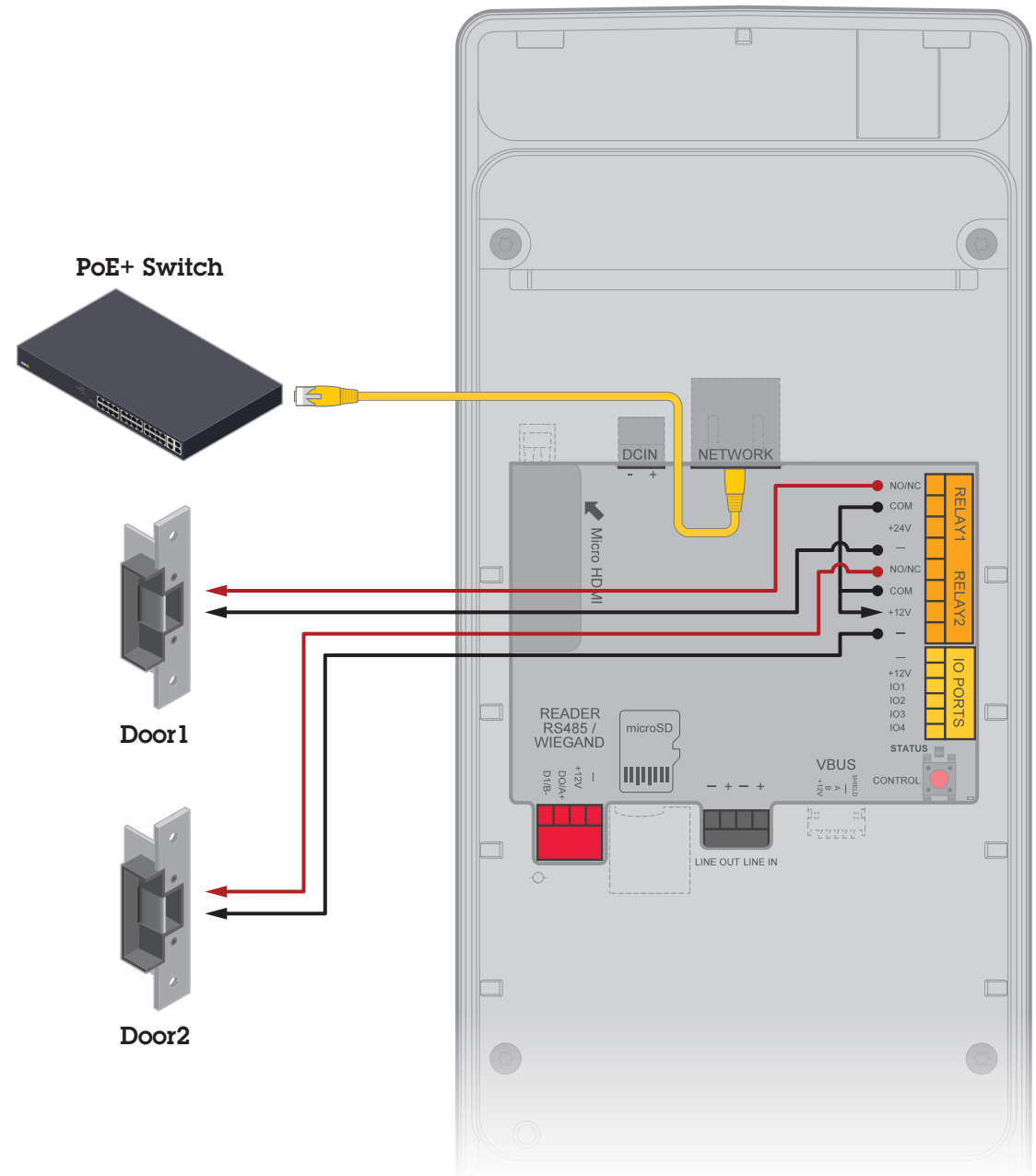**Configure relay state in the product's webpage**

1. To check relay state, go to:
   Hardware > I/O ports > Relays

2. Click **Edit**.

3. Depending on your lock type, set
   Normal state to:

   Open circuit for a fail-secure lock

   Closed circuit for a fail-safe lock

4. Click **Save**.

PoE+ Switch

DCIN

NETWORK

Micro HDMI

NO/NC
COM
+24V
—
NO/NC
COM
+12V
—

RELAY1

RELAY2

+12V
IO1
IO2
IO3
IO4

IO PORTS

Door1

READER
RS485 /
WIEGAND

microSD

D1/B-   DO/A+   +12V   —

STATUS

VBUS

CONTROL

LINE OUT LINE IN

Door2

One relay powered by PoE (12V), one relay powered by external power supply

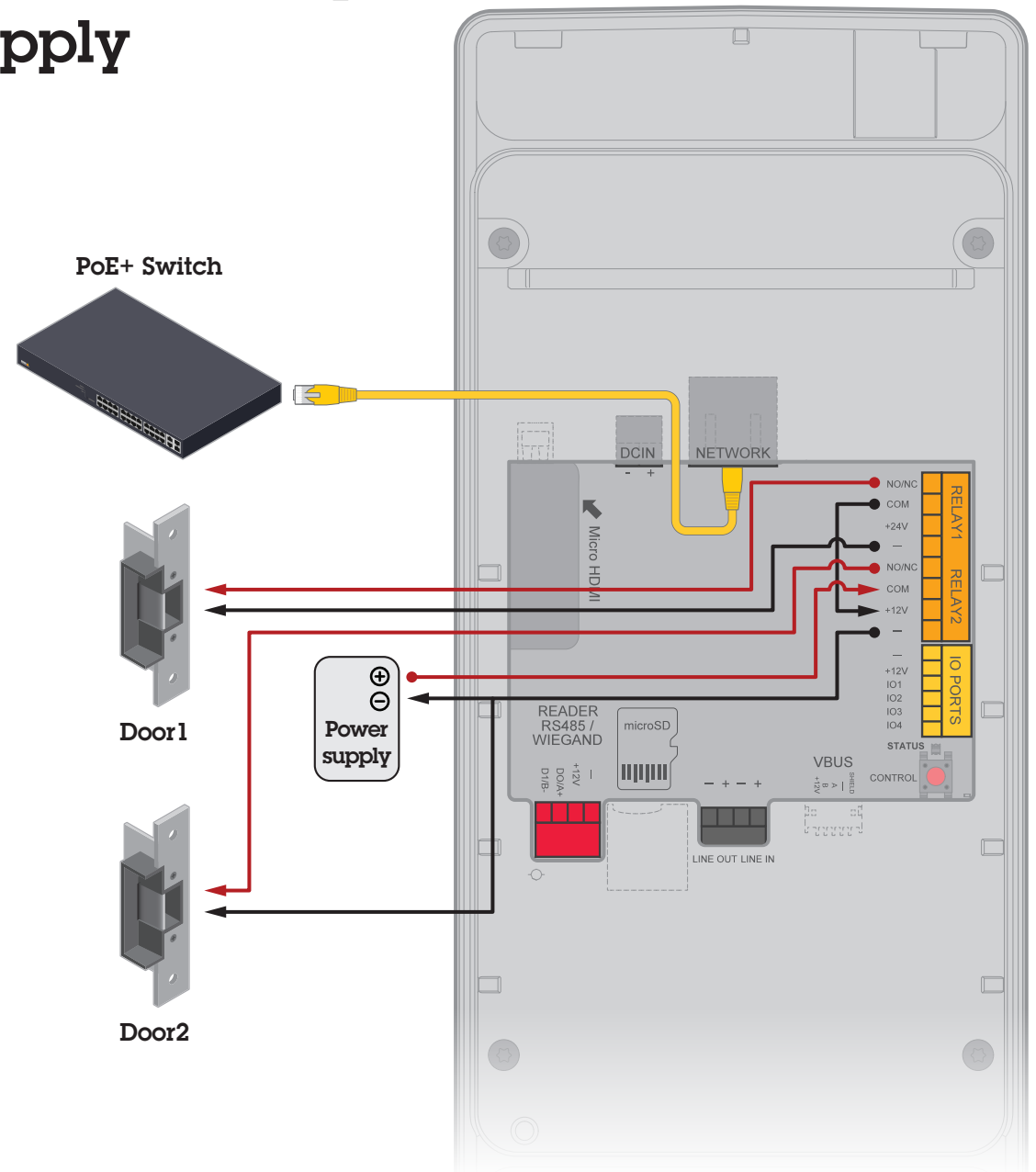**Configure relay state in the product's webpage**

1. To check relay state, go to:
   Hardware > I/O ports > Relays

2. Click **Edit**.

3. Depending on your lock type, set **Normal state** to:

   Open circuit for a fail-secure lock

   Closed circuit for a fail-safe lock

4. Click **Save**.

PoE+ Switch

Door 1

Power supply

Door 2

DCIN   NETWORK

Micro HDMI

NO/NC
COM
+24V
—
RELAY1

NO/NC
COM
+12V
—
RELAY2

—
+12V
IO1
IO2
IO3
IO4
IO PORTS

READER RS485 / WIEGAND

microSD

D1/B– D0/A+ +12V —

VBUS

STATUS

CONTROL

LINE OUT LINE IN

Relay powered by PoE (12V), one relay potential-free contact (door chimes etc.)

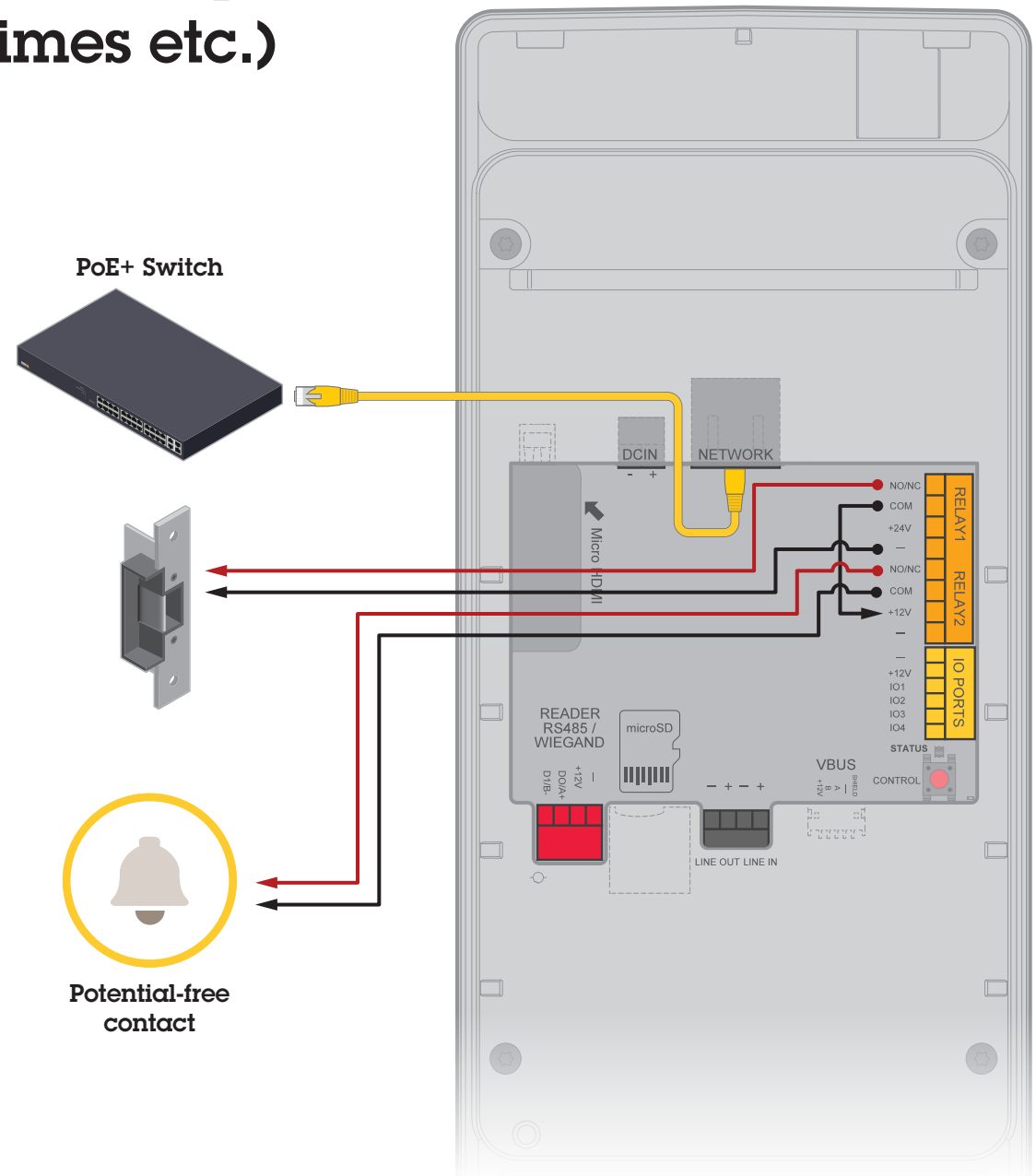**Configure relay state in the product's webpage**

1. To check relay state, go to:
   Hardware > I/O ports > Relays

2. Click **Edit**.

3. Depending on your lock type, set **Normal state** to:

   Open circuit for a fail-secure lock

   Closed circuit for a fail-safe lock

4. Click **Save**.

PoE+ Switch

DCIN

NETWORK

Micro HDMI

NO/NC
COM
+24V
—
RELAY1

NO/NC
COM
+12V
—
RELAY2

—
+12V
IO1
IO2
IO3
IO4
IO PORTS

READER
RS485 /
WIEGAND

microSD

STATUS

VBUS

CONTROL

D1/B- DO/A+ +12V —

LINE OUT LINE IN

Potential-free contact

Power 12V fail-secure lock by PoE+ from door station

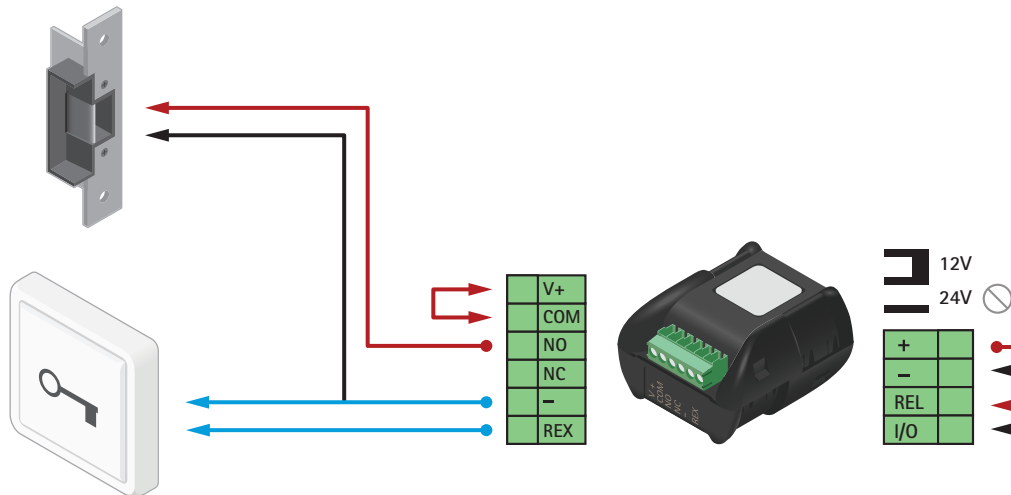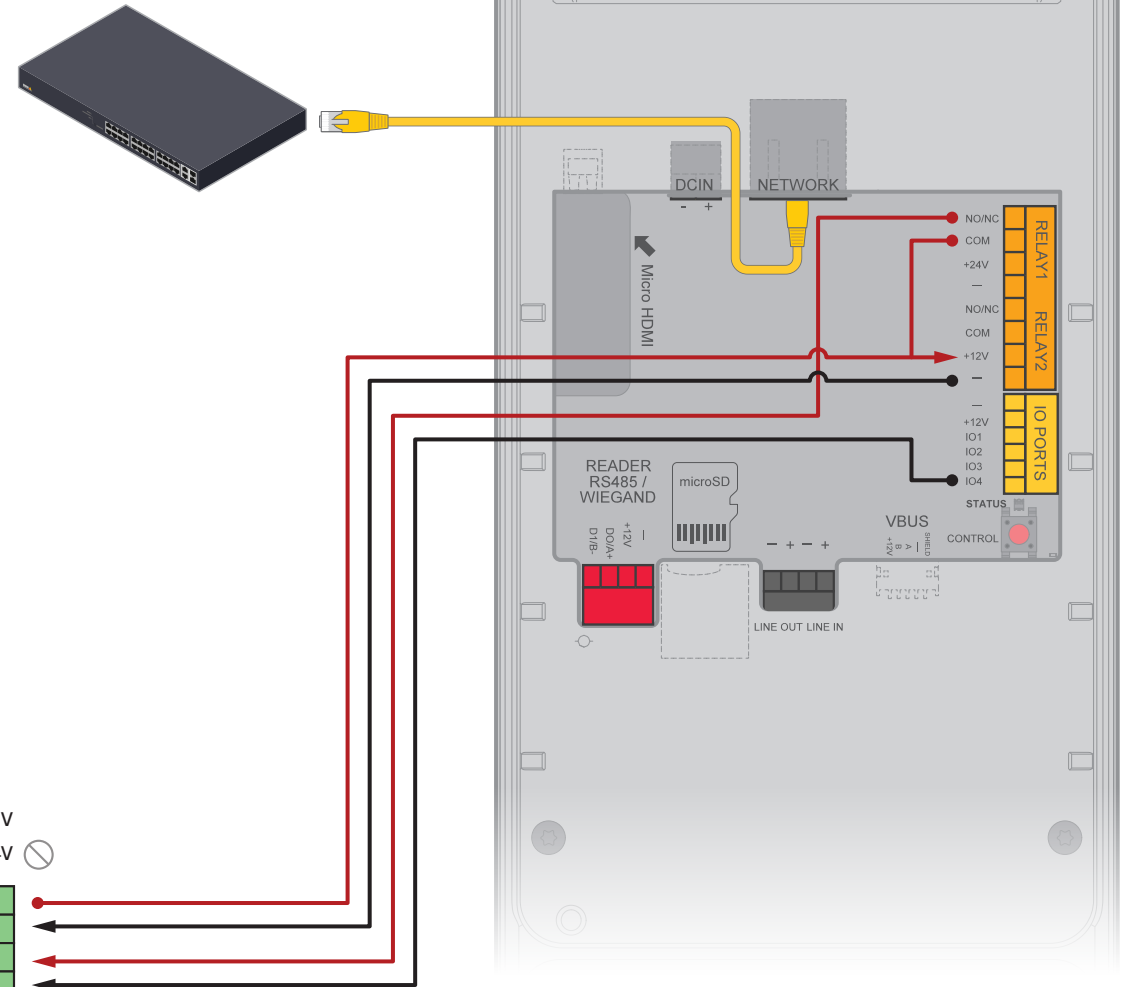## Configure relay state in the product's webpage

1. To check relay state, go to:
   Hardware > I/O ports > Relays

2. Click **Edit**.

3. Depending on your lock type, set **Normal state** to:

   Open circuit for a fail-secure lock

   Closed circuit for a fail-safe lock

4. Click **Save**.

PoE+ Switch

Power fail-secure lock
by external power supply

Configure relay state in the product's webpage

1. To check relay state, go to:
   Hardware > I/O ports > Relays

2. Click **Edit**.

3. Depending on your lock type, set **Normal state** to:

   Open circuit for a fail-secure lock

   Closed circuit for a fail-safe lock

4. Click **Save**.

PoE+ Switch

DCIN   NETWORK

Micro HDMI

NO/NC
COM
+24V
—
NO/NC
COM
+12V
—
RELAY1
RELAY2

+12V
IO1
IO2
IO3
IO4
IO PORTS

READER
RS485 /
WIEGAND

microSD

VBUS

STATUS

CONTROL

D1/B-   DO/A+   —   +12V

SHIELD   B   A   —   +12V

LINE OUT   LINE IN

Power supply
⊕   ⊖

V+
COM
NO
NC
—
REX

12V
24V

+
—
REL
I/O

Relay powered by PoE (24V), one relay potential-free contact (door chimes etc.)

Configure relay state in the product's webpage

1. To check relay state, go to:
   Hardware > I/O ports > Relays

2. Click **Edit**.

3. Depending on your lock type, set **Normal state** to:

   Open circuit for a fail-secure lock

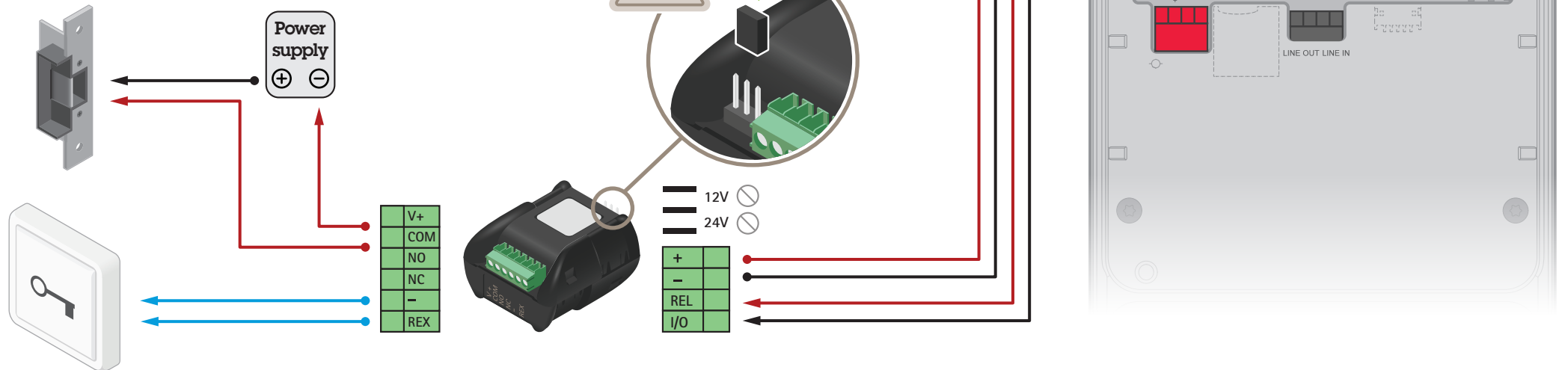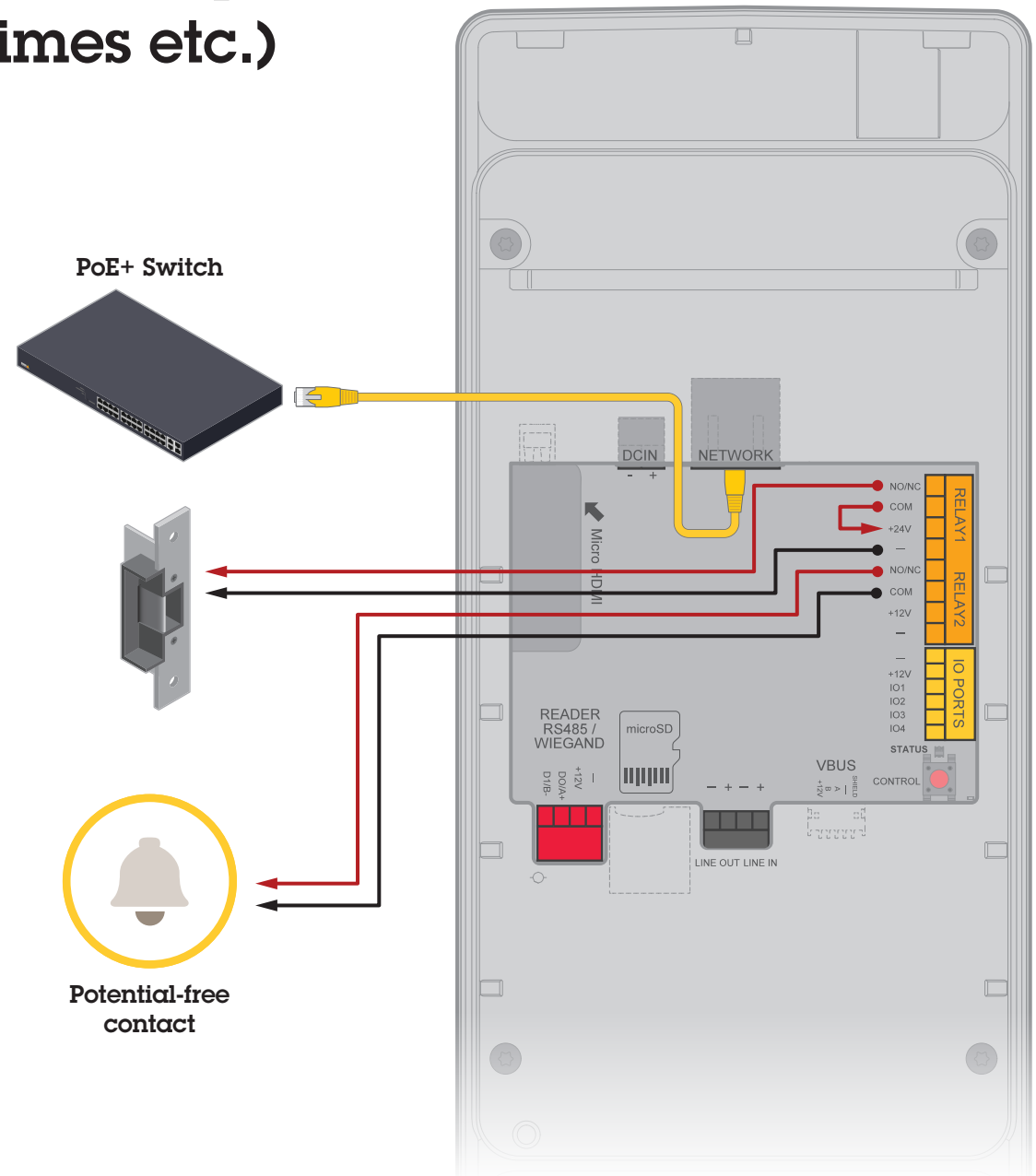   **Closed circuit** for a fail-safe lock

4. Click **Save**.

PoE+ Switch

DCIN
NETWORK

Micro HDMI

NO/NC
COM
+24V
—
NO/NC
COM
+12V
—

RELAY1
RELAY2

—
+12V
IO1
IO2
IO3
IO4

IO PORTS

READER
RS485 /
WIEGAND

microSD

D1/B-
D0/A+
+12V
—

STATUS

VBUS
+12V
A
B
SHIELD

CONTROL

LINE OUT   LINE IN

Potential-free contact

Wire reader to door controller using OSDP

Configuration in the product's webpage

Reader

Reader protocol   Card types   Pin

Protocol

OSDP

Save

PoE+ Switch

READER I/O 1
- 12 IO IO IO IO
V 3 4 5 6

AUDIO
+MIC- +SPK-

AUX
- 3V IO IO
1 2

READER I/O 2
- 12 IO IO IO IO
V 7 8 9 10

READER DATA 1
A- B+ A- B+ D0 D1

READER DATA 2
A- B+ A- B+ D0 D1

DC IN
- +

DOOR IN 1
- IN1 - IN2

DOOR IN 2
- IN3 - IN4

LOCK
- H1 - H2

RELAY | PWR
- *REL* - 12 24
V V

DCIN
- +

NETWORK

RELAY1
NO/NC
COM
+24V
—

RELAY2
NO/NC
COM
+12V

IO PORTS
—
+12V
IO1
IO2
IO3
IO4

READER
RS485
WIEGAND

Micro HDMI

microSD

VBUS

D1/B-
DO/A+
+12V

STATUS

CONTROL

SHIELD
A
B

LINE OUT LINE IN

Wire reader to door controller using Wiegand

PoE+ Switch

Configuration in the product's webpage

Reader protocol   Card types   Pin

Protocol

Wiegand ▽

Beeper

☑ Activate beeper

Input for beeper
I3 ▽

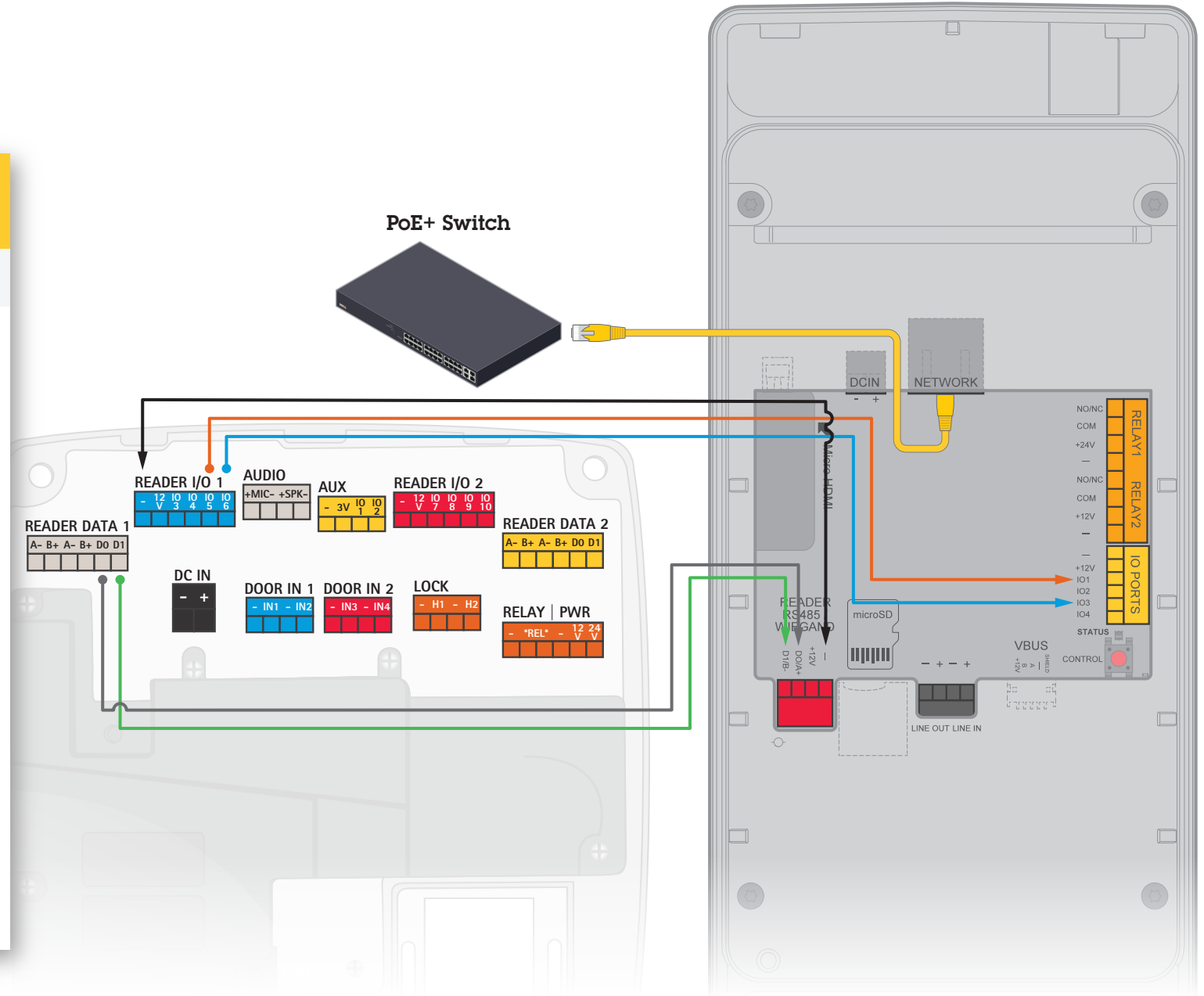### Inputs used for LED control

1 ▽

Input for LED1
I1 ▽

Color for each state

Color for state low
red ▽

Color for state high
green ▽

Wire reader to Axis door controller using VAPIX reader

Configuration in the product's webpage

Reader protocol Card types Pin

Protocol

VAPIX reader

+ Connect to Axis door controller

Save

PoE+ Switch

READER I/O 1
- 12 IO IO IO IO
V 3 4 5 6

AUDIO
+MIC- +SPK-

AUX
- 3V IO IO
1 2

READER I/O 2
- 12 IO IO IO IO
V 7 8 9 10

READER DATA 1
A- B+ A- B+ D0 D1

READER DATA 2
A- B+ A- B+ D0 D1

DC IN
- +

DOOR IN 1
- IN1 - IN2

DOOR IN 2
- IN3 - IN4

LOCK
- H1 - H2

RELAY | PWR
- *REL* - 12 24
V V

DCIN
- +

NETWORK

Micro HDMI

READER
RS485 /
WIEGAND

D1/B- D0/A+ +12V -

microSD

LINE OUT LINE IN

VBUS
- + - +
+24V B A SHIELD

RELAY1
NO/NC
COM
+24V
-

RELAY2
NO/NC
COM
+12V
-

IO PORTS
+12V
IO1
IO2
IO3
IO4

STATUS

CONTROL