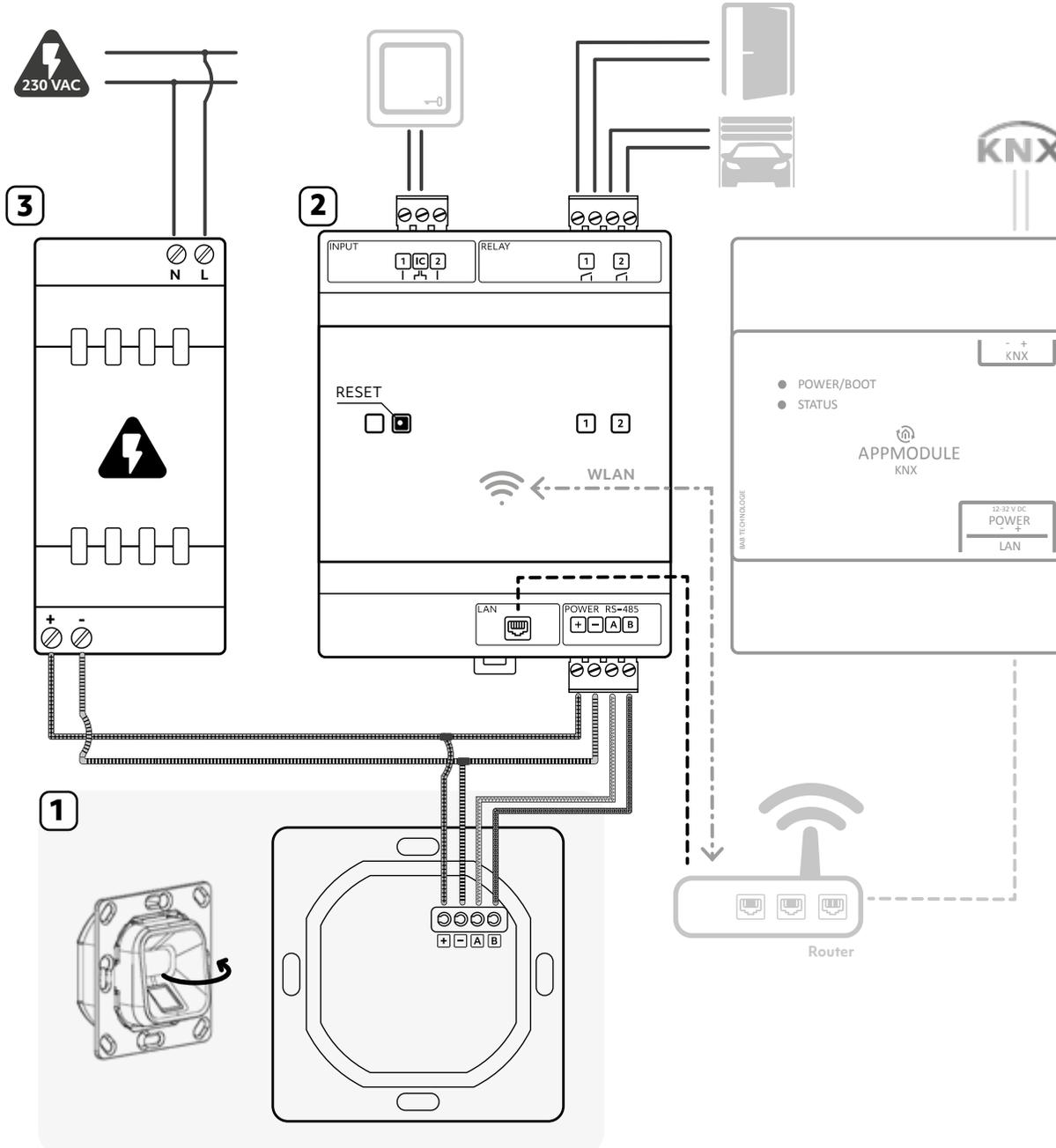


# Wiring diagram ekey xLine



YOUR FINGER. YOUR KEY.

ID387/792/0/796: Version 2, 2023-04-11



## Video instructions

You can watch the video instructions for installing the ekey xLine by scanning the QR code.

### 1 Connection fingerprint scanner

+	12-24 VDC
-	GND
A	RS-485 A
B	RS-485 B

### 2 Connection control unit

+	12-24 VDC
-	GND
A	RS-485 A
B	RS-485 B

Relay 1:	potential-free
Relay 2:	potential-free
Input 1:	potential-free
Input 2:	potential-free
IC:	GND
LAN:	router
WLAN:	integrated

### 3 Connection power supply

Input:	230 VAC/50 Hz
Output:	12-24 VDC

### POWER SUPPLY

Select the power supply based on the properties of the motorized lock.

### RECOMMENDED CABLES

Power supply – control unit:  
2 x 0,75 mm (H03VV-F)  
Control unit – fingerprint scanner:  
2 x 2 x 0,8 mm (EIB-Y St Y)  
Max. cable length: 200 m

Info: Loosen the wire connection on the fingerprint scanner by turning the wire. Refer to the terminal specification in the data sheets if using a different cable.

### ⚠ DANGER

**Risk of electrocution:** All ekey devices are to be operated with Safety Extra Low Voltage (SELV). Only use power supplies rated protection class 2 with safety approval according to EN 62368-1. Failure to do so will create a risk of fatal electrocution. Only certified electricians are authorized to carry out electrical installation work on mains systems.

### ⚠ ATTENTION

**Property damage in the event of incorrect mounting and wiring:** The system devices are operated using electricity. They could be destroyed if they are mounted and wired incorrectly. Mount and wire the system devices correctly before connecting the power.

### 📢 NOTICE

This wiring diagram is not subject to updating. We reserve the right to make technical modifications and change the product's appearance; any liability for errors and misprints is excluded.