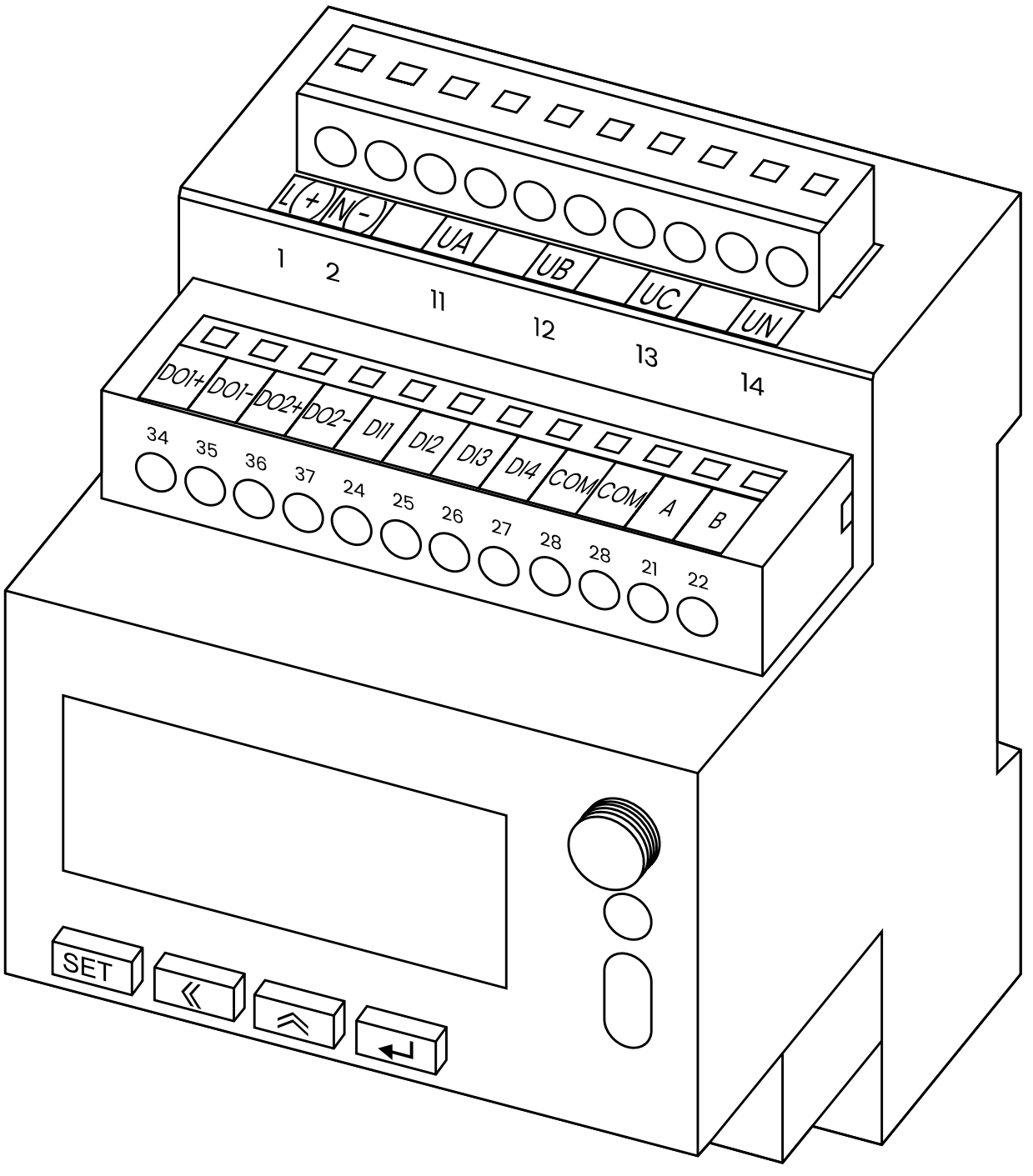
# Quick Guide

## HDLM Kit




Installation Video

GEMINI
Installation Manual

HDLM Kit 600

HDLM Kit 400

HDLM Kit 100

## Safety

The installation must comply with relevant standards and (local) regulations and must only be carried out by a qualified technician.

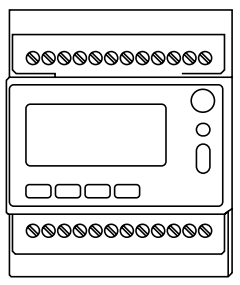
## Disclaimer

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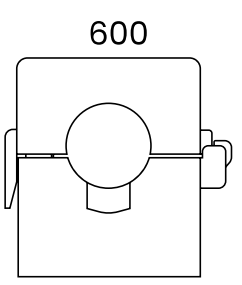
## Configuration

Download and install the application, then follow the steps to complete the configuration of the HDLM kit.

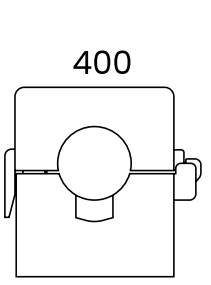
## Scope of delivery



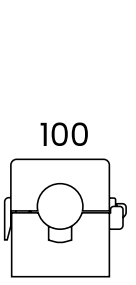
1x Energy Meter



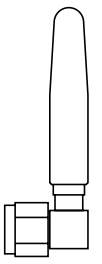

or



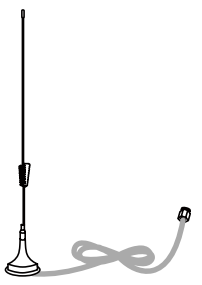

or



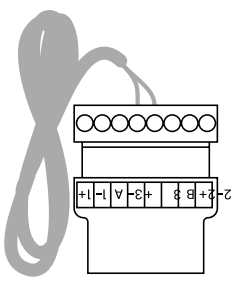

3x CT



1x Internal antenna



1x External antenna

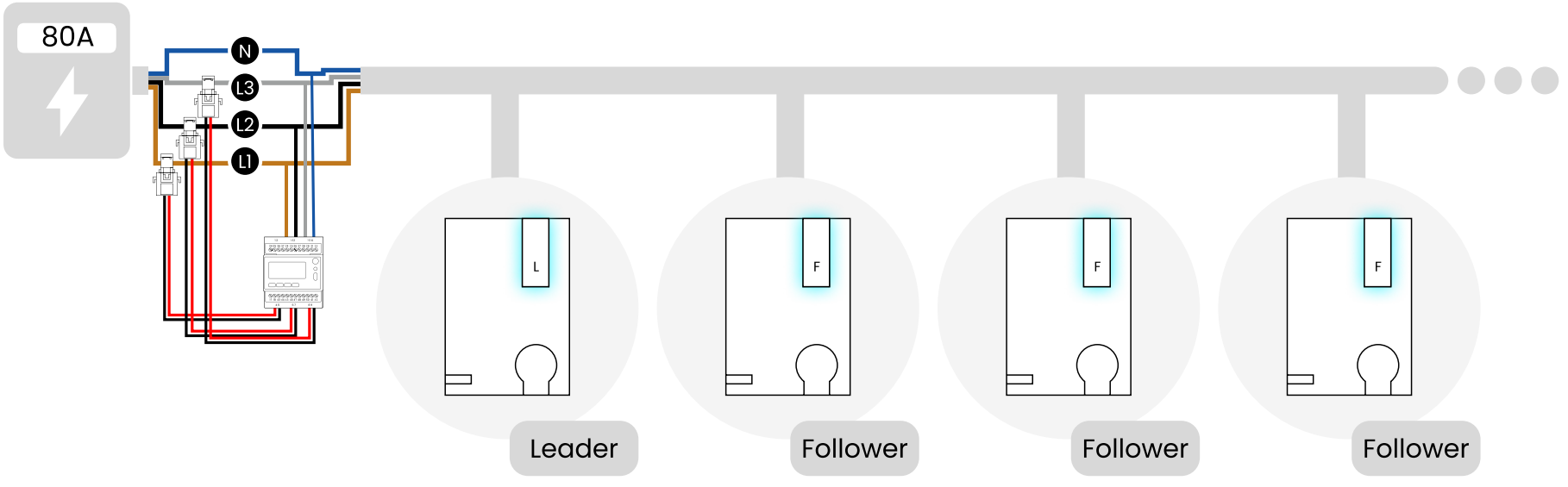



1x RJ45 adapter

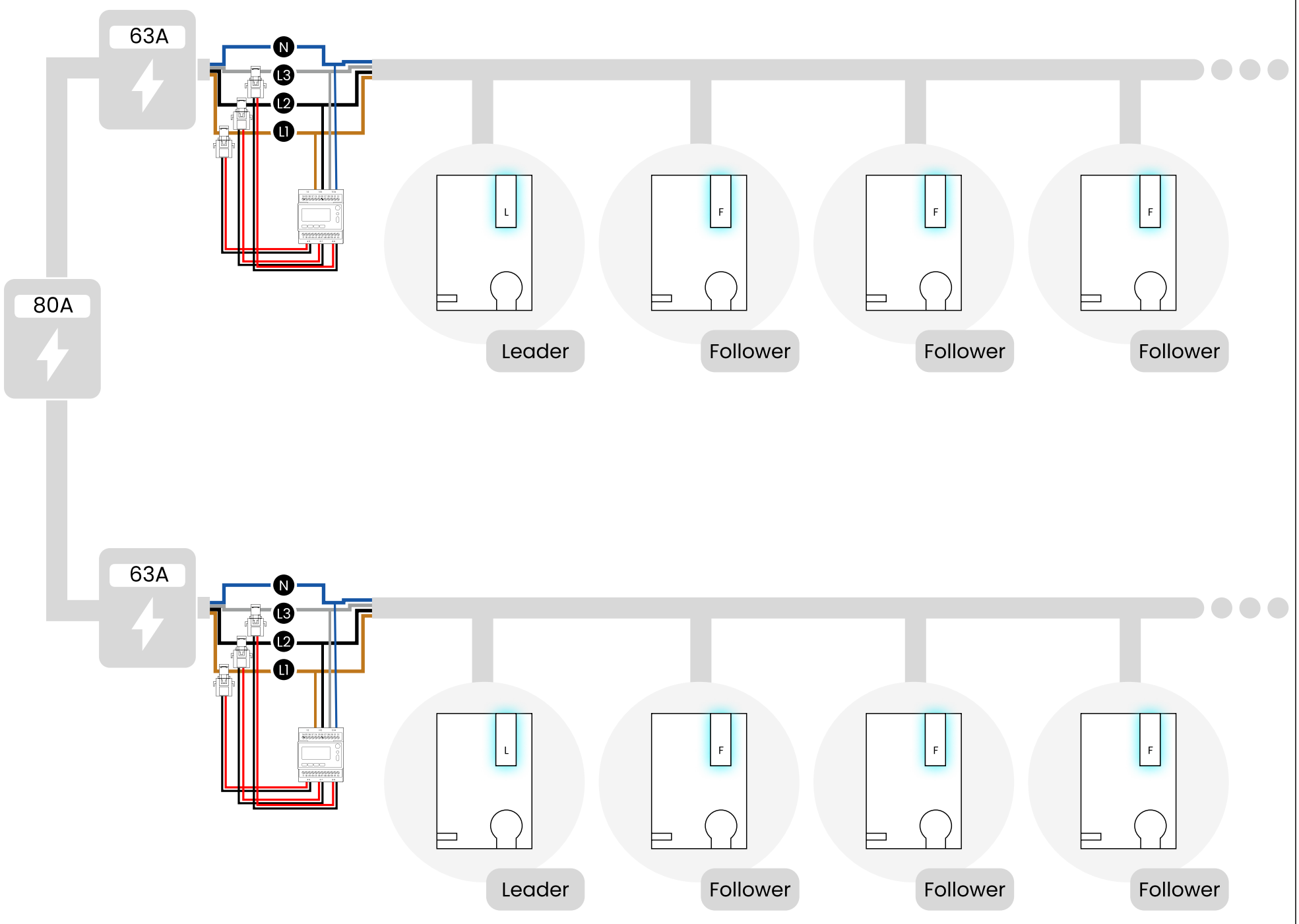
## Technical specifications

| Energy meter | 600 | 400 | 100 |
|---|---|---|---|
| Model | ADW300-HJ-D36-LRHW868/C | ADW300-HJ-D24-LRHW868/C | ADW300-HJ-D16-LRHW868/C |
| Power supply | | 3x230/400VAC | |
| Grid frequency | | 50Hz | |
| Operating temperature | | -25℃~55℃ | |
| Power consumption | | ＜2W | |
| Pulse constant | 60imp/kWh | 100 imp/kWh | 400imp/kWh |
| Accuracy class | | Class B (±1%, active energy) | |
| Communication | | Wireless LoRa, RS-485 | |
| Dimension (H x W x D) | | 92.6x72x71.5mm | |
| **CT** | | | |
| Model | AKH-0.66/K-Φ36N | AKH-0.66/K-Φ24N | AKH-0.66/K-Φ16N |
| Current transformation ratio | 600A/100mA | 400A/100mA | 100A/25mA |
| Dimension (H x W x D) | 82x42.5x58mm | 71x39x46mm | 50x31x46mm |
| Aperture | Φ33.5/Φ35mm | Φ23.5/Φ24mm | Φ16mm/Φ17mm |

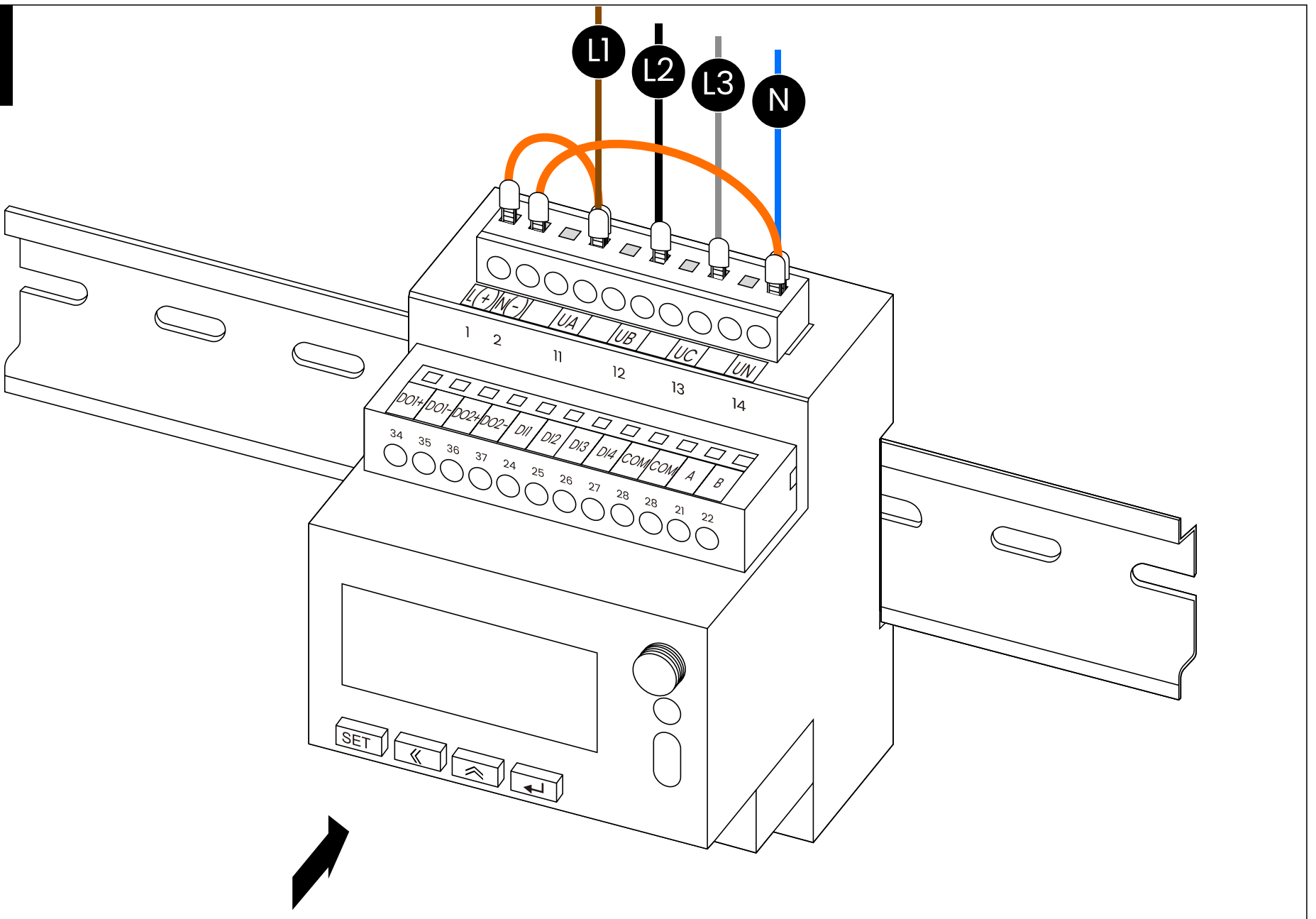
## A Single Group Typical Application



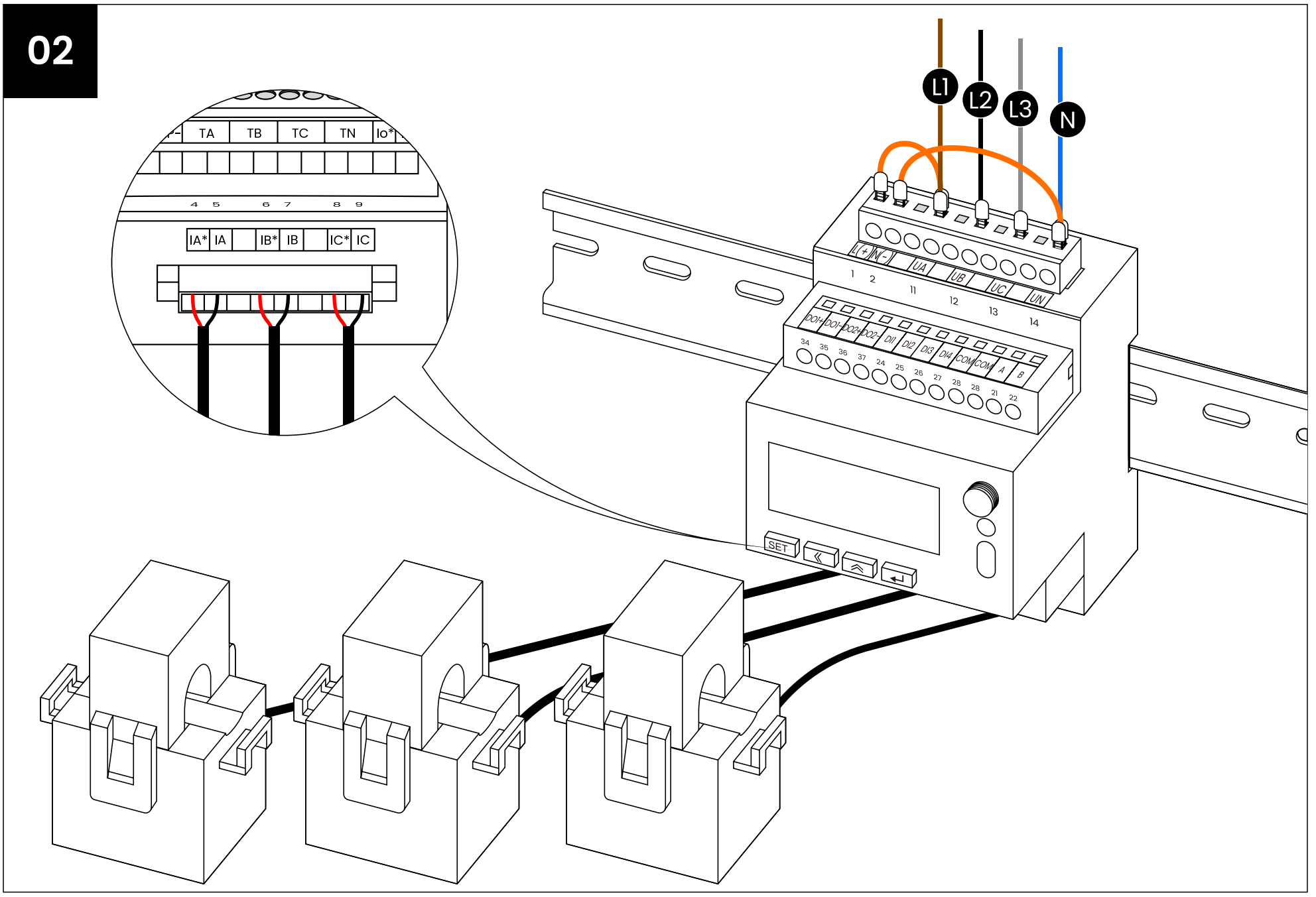

## B Multi Groups Typical Application



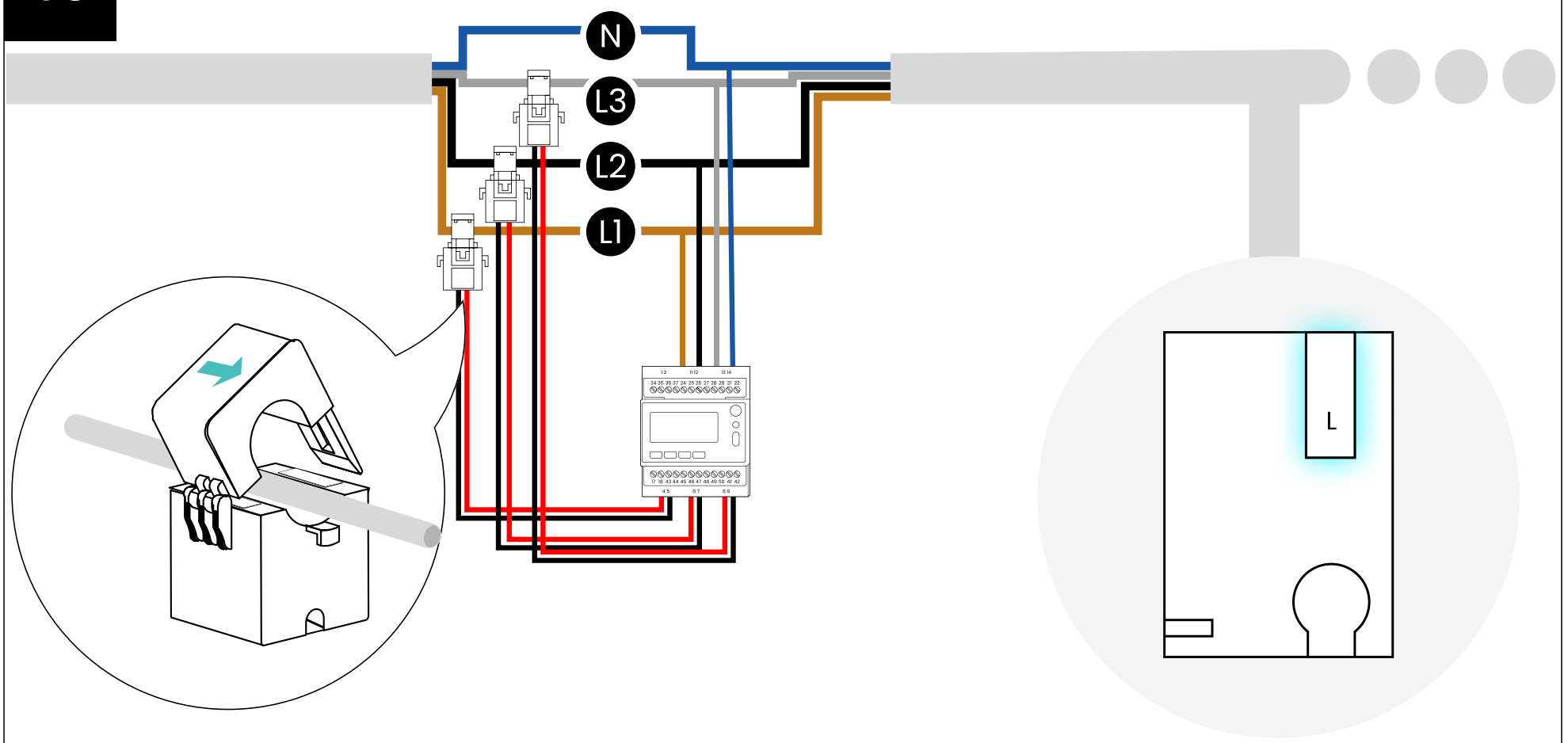
01


L1
L2
L3
N
L(+) N(-) UA UB UC UN
1 2 11 12 13 14
DO1+ DO1- DO2+ DO2- DI1 DI2 DI3 DI4 COM COM A B
34 35 36 37 24 25 26 27 28 28 21 22
SET

02

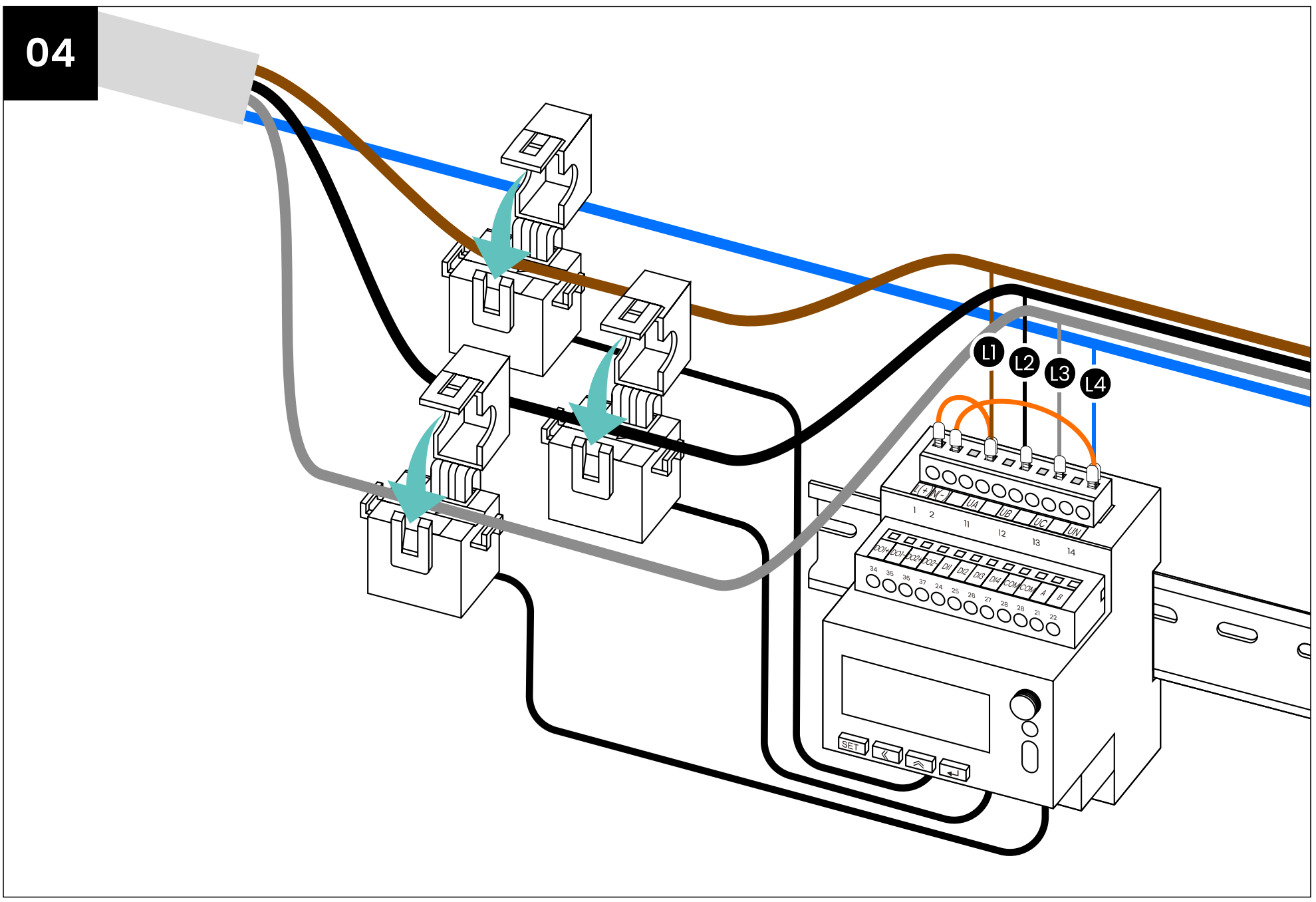

TA TB TC TN Io*
4 5 6 7 8 9
IA* IA IB* IB IC* IC
L1
L2
L3
N
L(+) N(-) UA UB UC UN
1 2 11 12 13 14
DO1+ DO1- DO2+ DO2- DI1 DI2 DI3 DI4 COM COM A B
34 35 36 37 24 25 26 27 28 28 21 22
SET

## 03

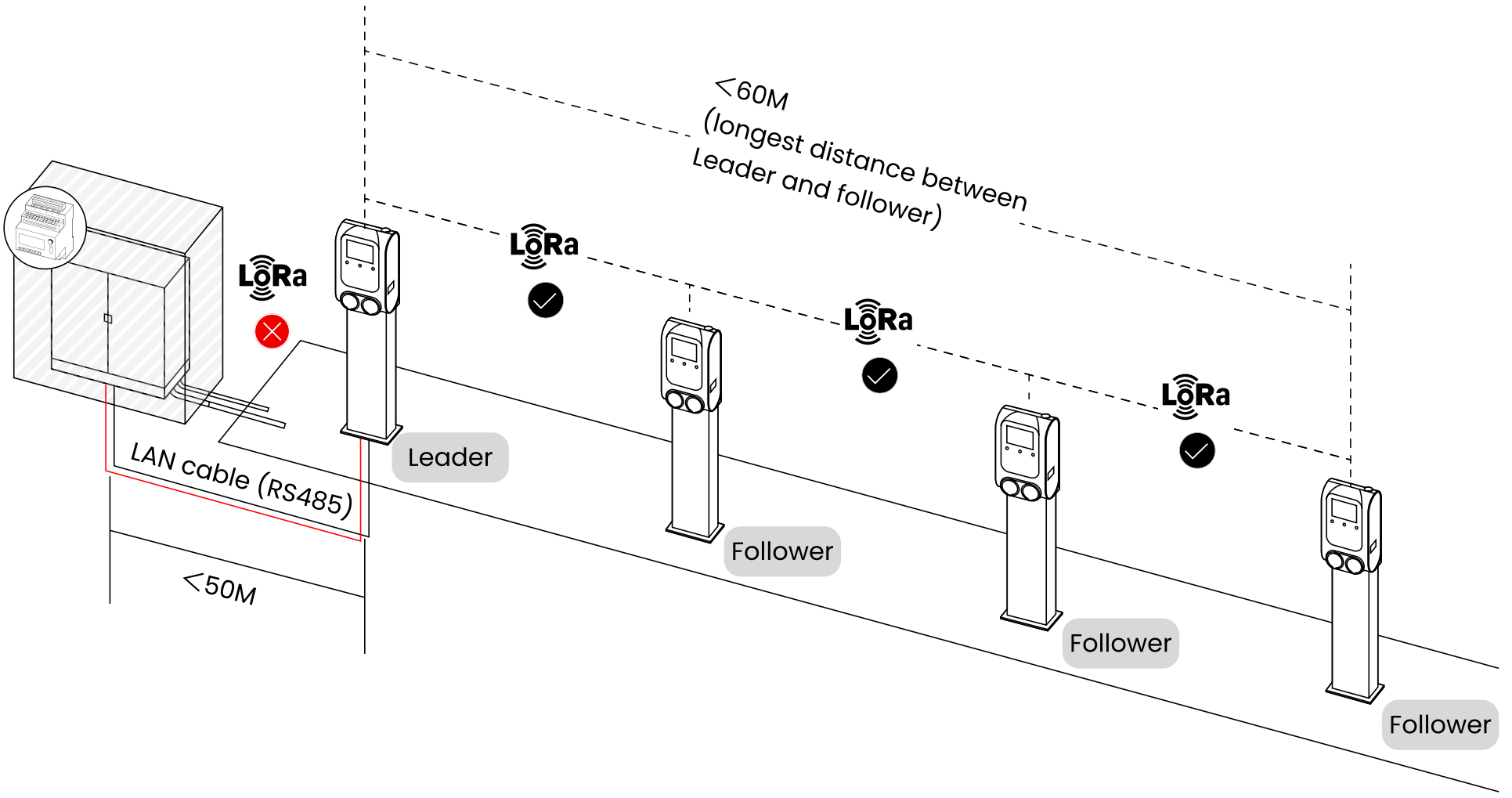



Close the CT clamp to the corresponding input cable. Ensure that the arrow on the CT clamp points toward chargers

## 04



## 05 HDLM Kit connected with hard-wire RS-485




Select Leader

1. Leader unit shall be installed in an open area, without blocking, concrete walls or obstacles between leader and followers

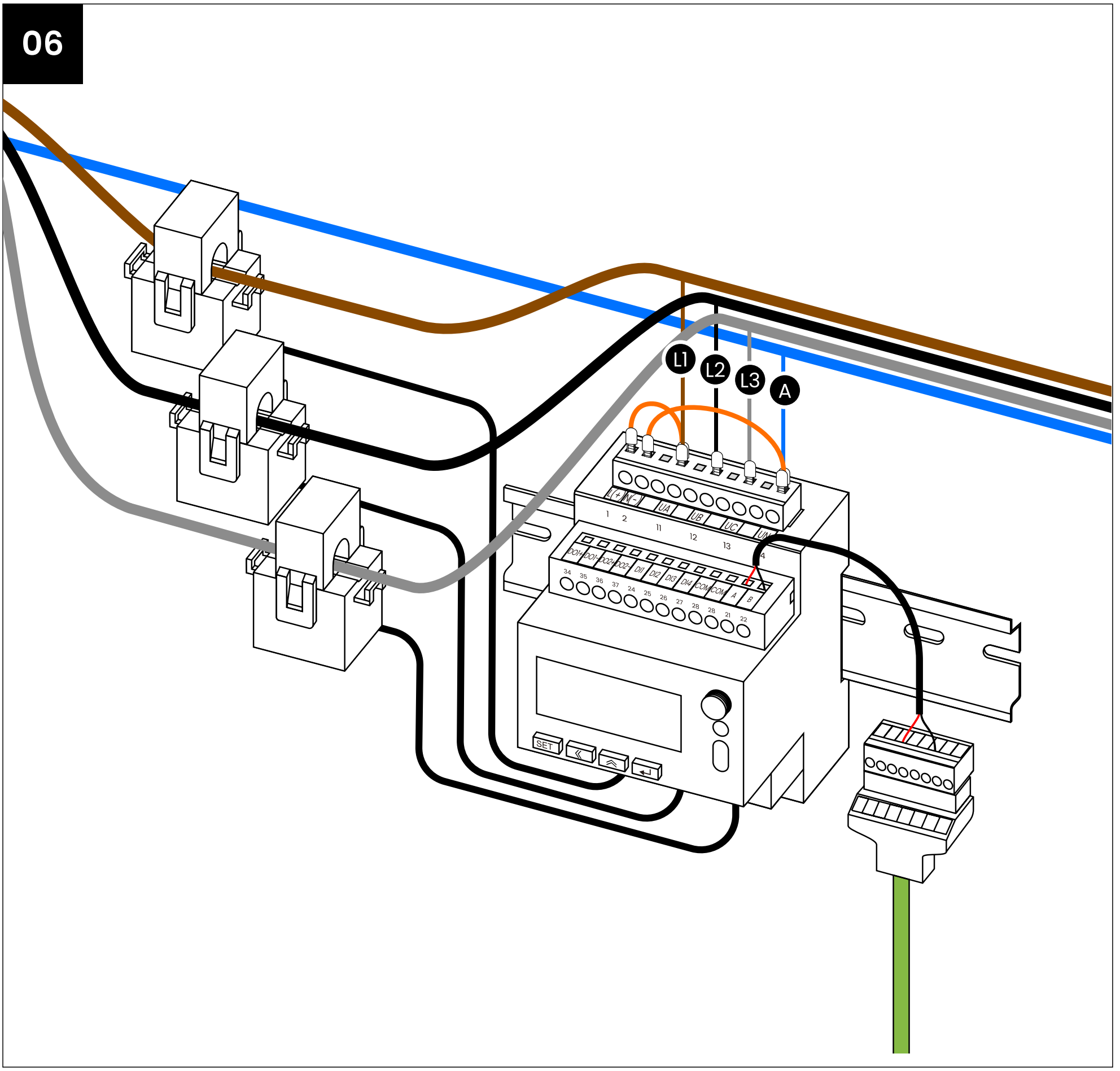
It's recommended to use hard-wired LAN cable (RS485) to connect Leader unit to HDLM Kit under following conditions:

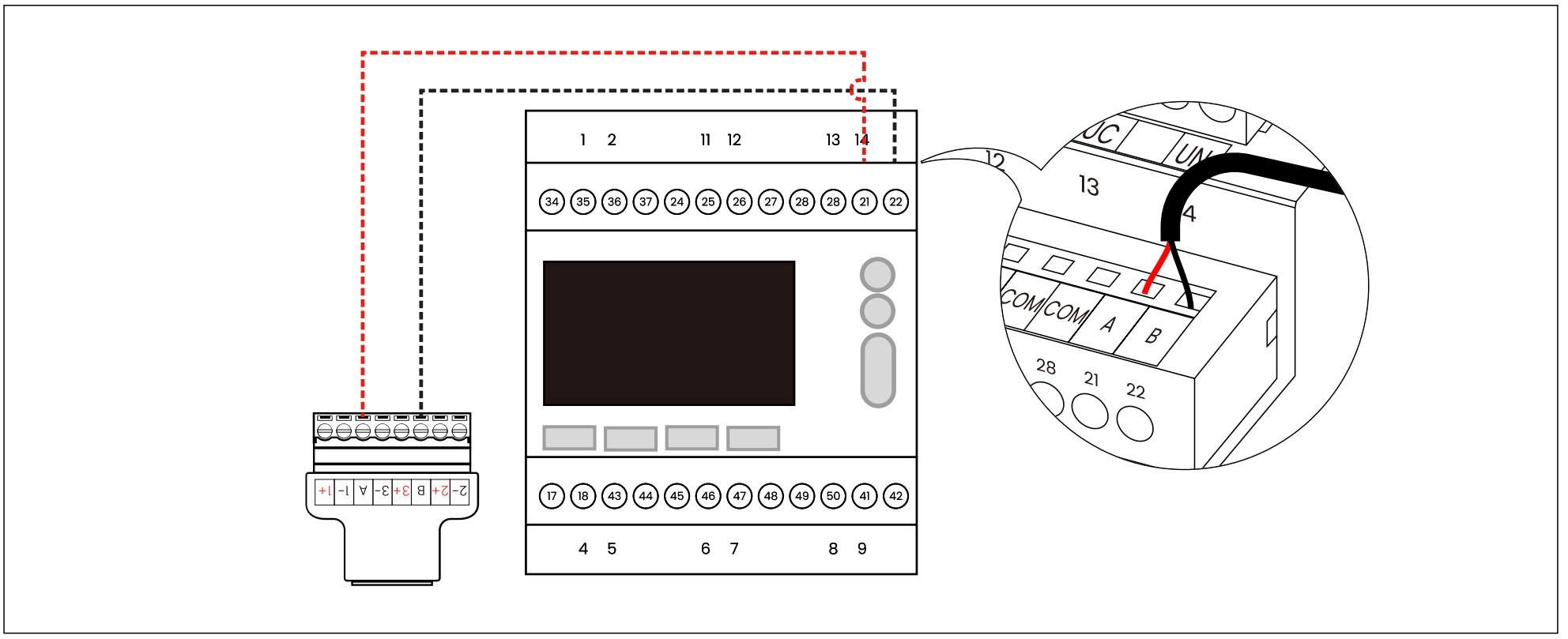
1. HDLM Kit installed in a closed metal cabinet
2. Concrete walls and obsitacles between HDLM Kit and the chargers
3. Other conditions wireless signal might be blocked or under interference.

**CAUTION**

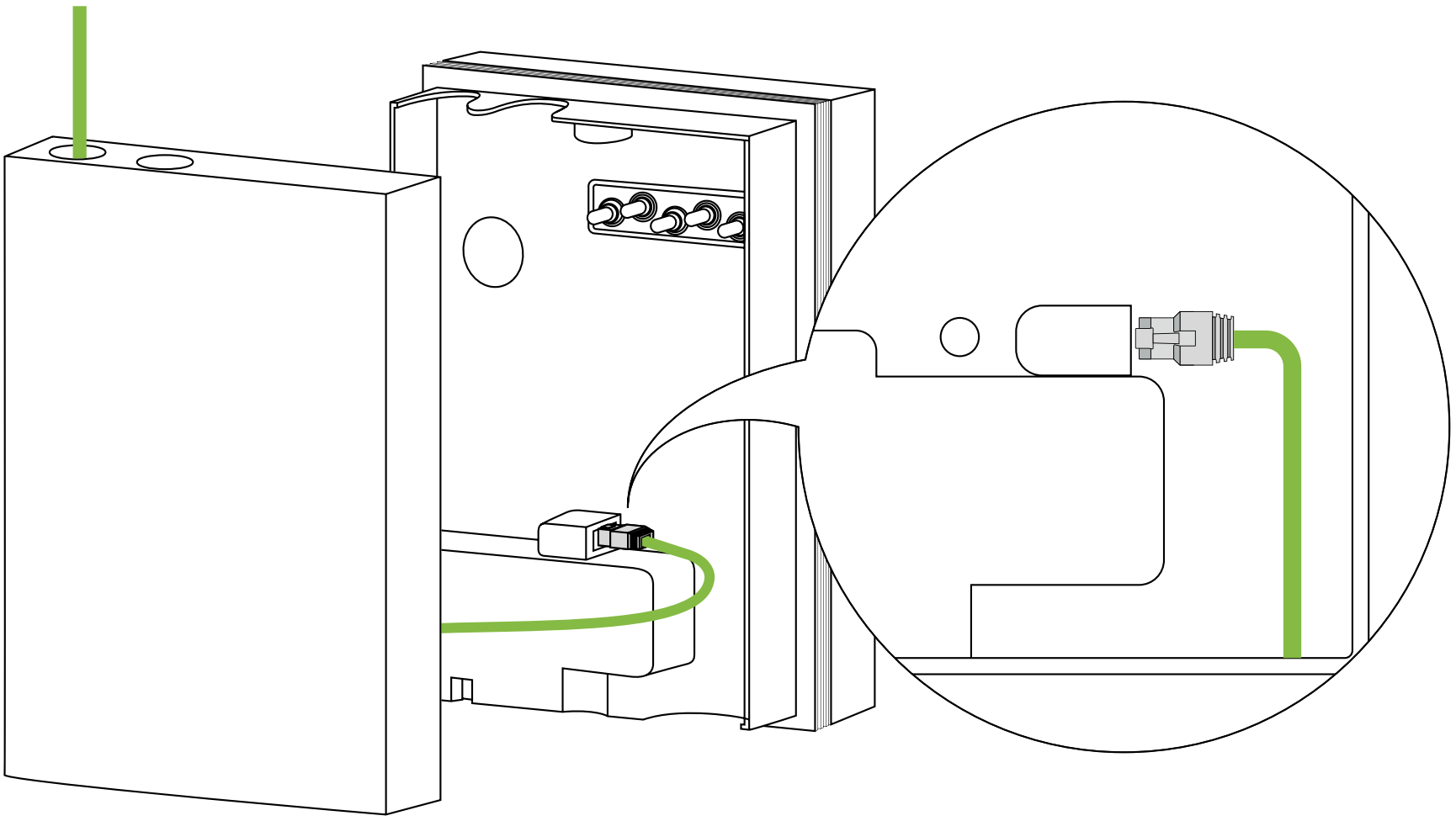
Leader unit will connect to HDLM Kit, and send load management message to followers, to keep the total current of the HDLM group and site under limit.

06

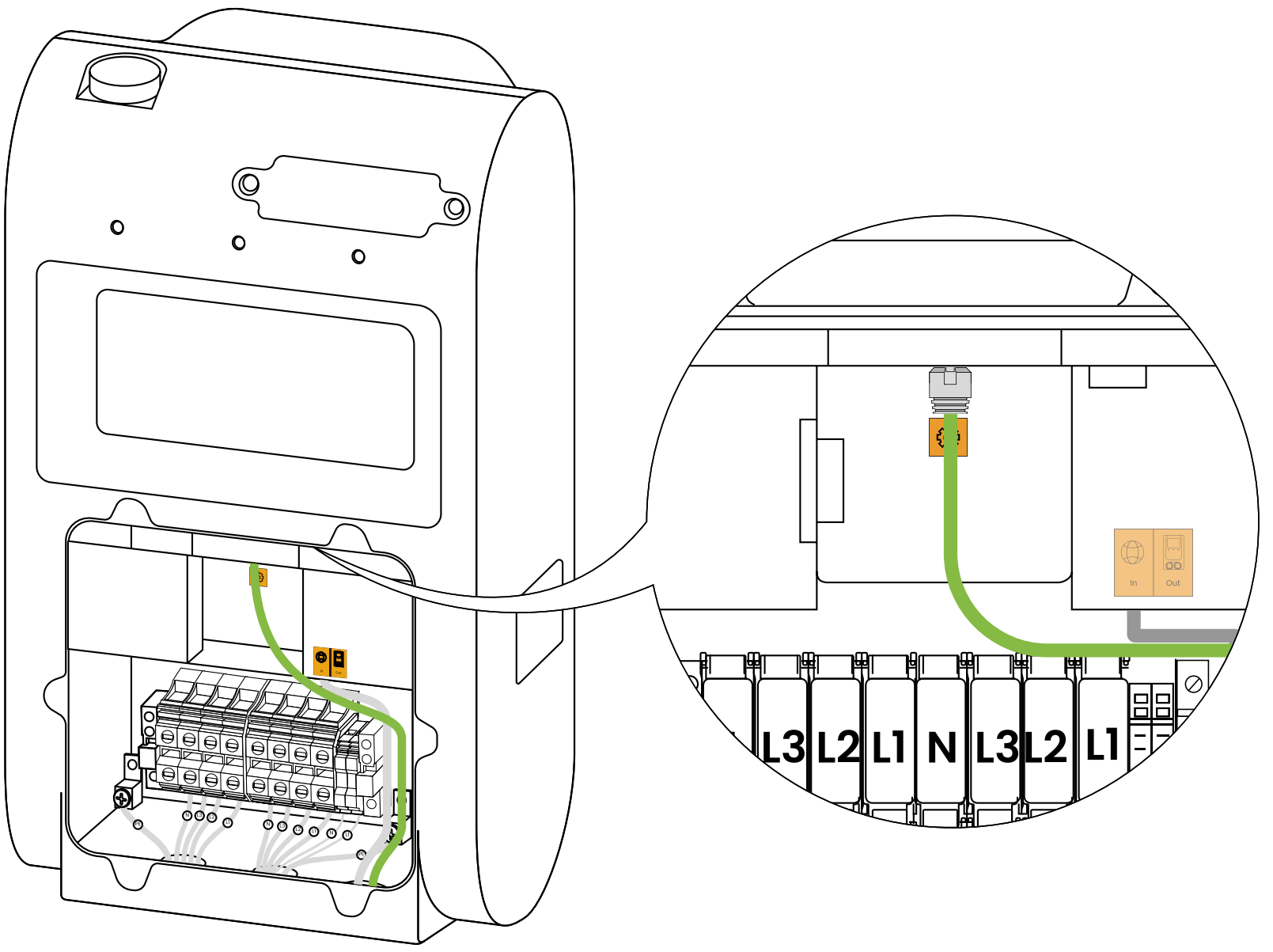

L1
L2
L3
A
L(+)
N(-)
UA
UB
UC
UN
1
2
11
12
13
14
DO1-
DO1+
DO2-
DO2+
DI1
DI2
DI3
DI4
COM
COM
A
B
34
35
36
37
24
25
26
27
28
28
21
22
SET


1+
1-
A
3-
3+
B
2+
2-
1
2
11
12
13
14
34
35
36
37
24
25
26
27
28
28
21
22
17
18
43
44
45
46
47
48
49
50
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9
UC
UN
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14
COM
COM
A
B
28
21
22

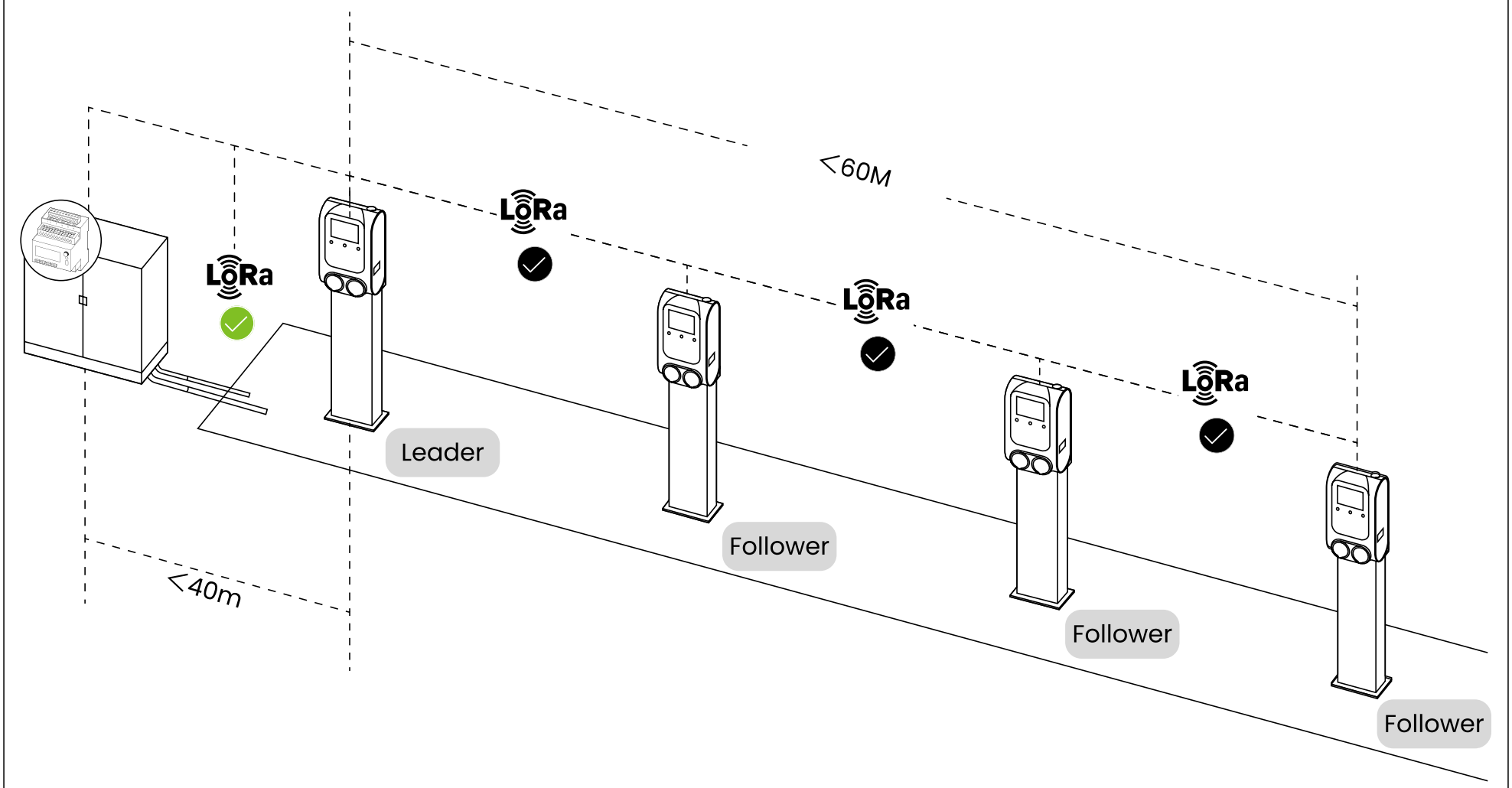
## 7a NEX



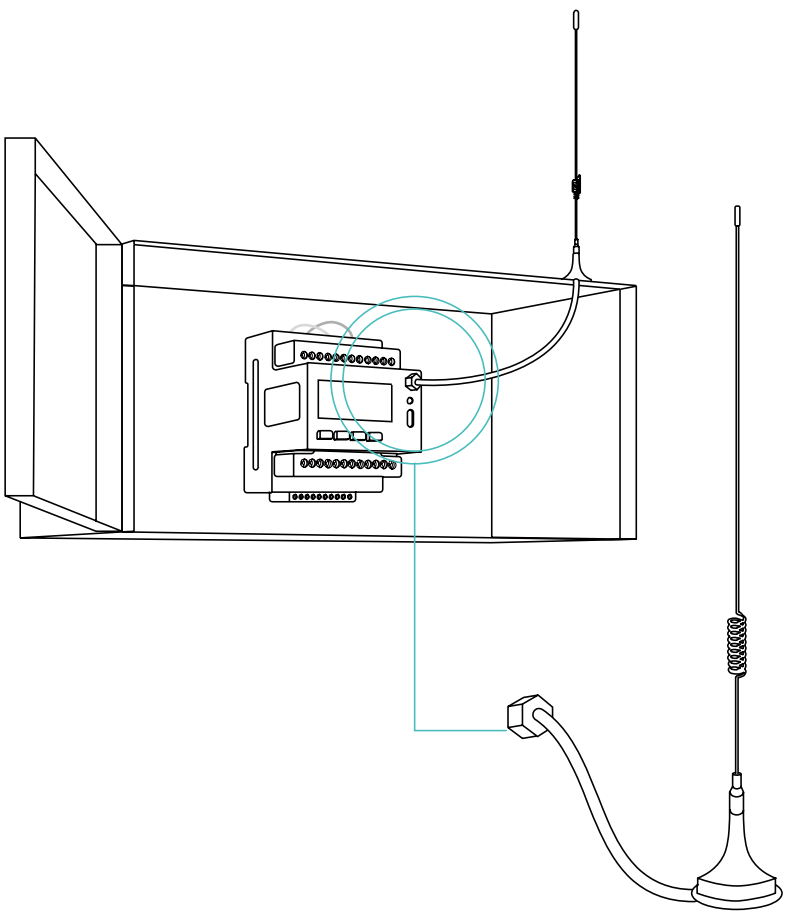
## 7b GEMINI



## 08 HDLM Kit connected with LoRa

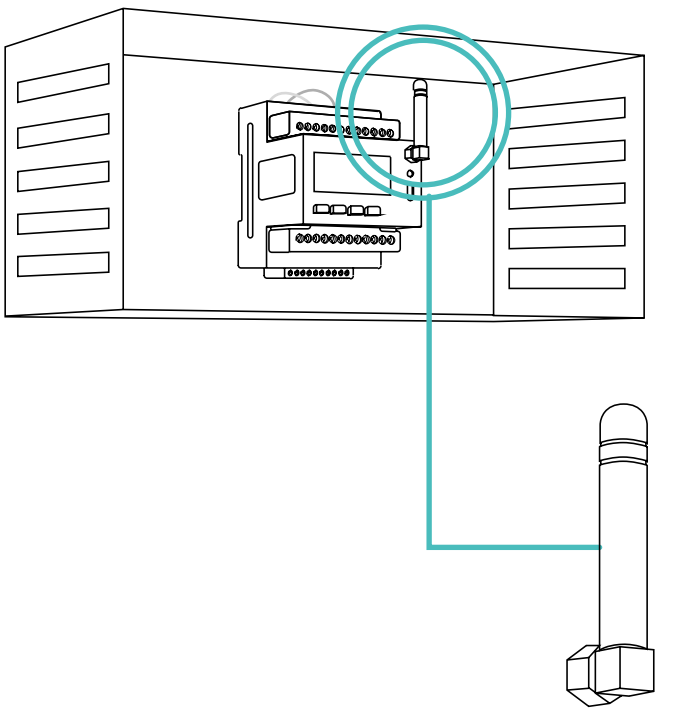



## 09 Connect antenna outside



External antenna

## 10 Connect antenna inside the cabinet

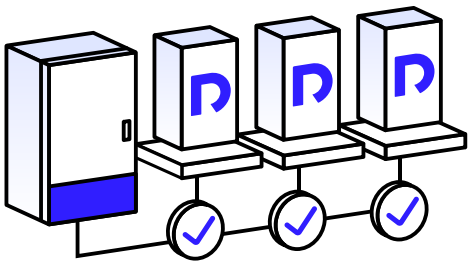


Internal antenna

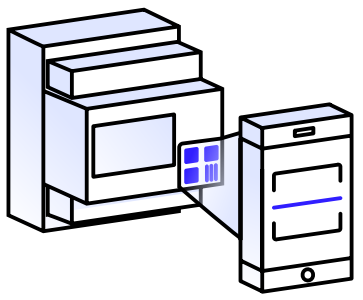
11

RAEDIAN Install APP

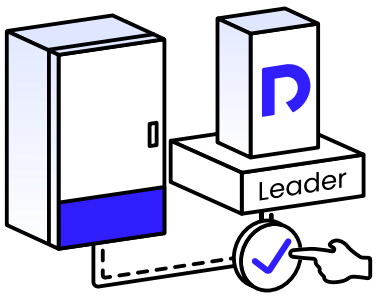
- A. Download RAEDIAN Install APP



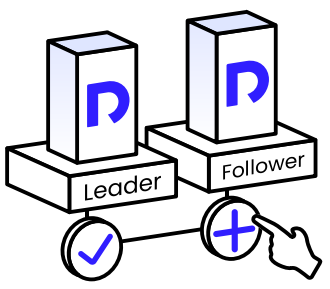
- B. Create HDLM site/groups, and configure maximum current of the site/group.



- C. Add HDLM Kit by scanning QR Code on the HDLM Kit.

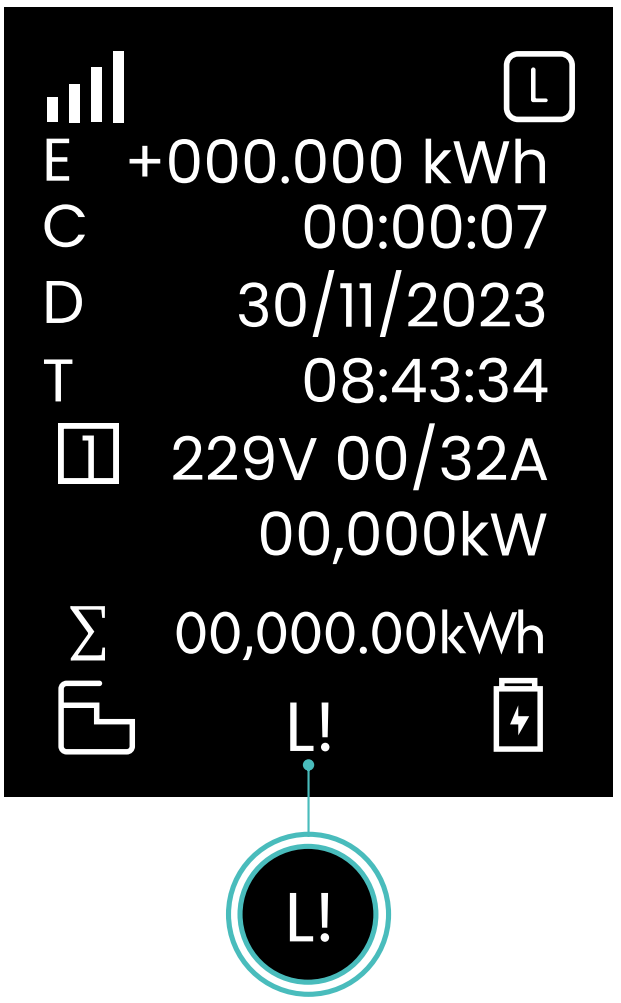



- D. Add Leader charger into the HDLM group.




- E. Add Follower chargers into the HDLM group.

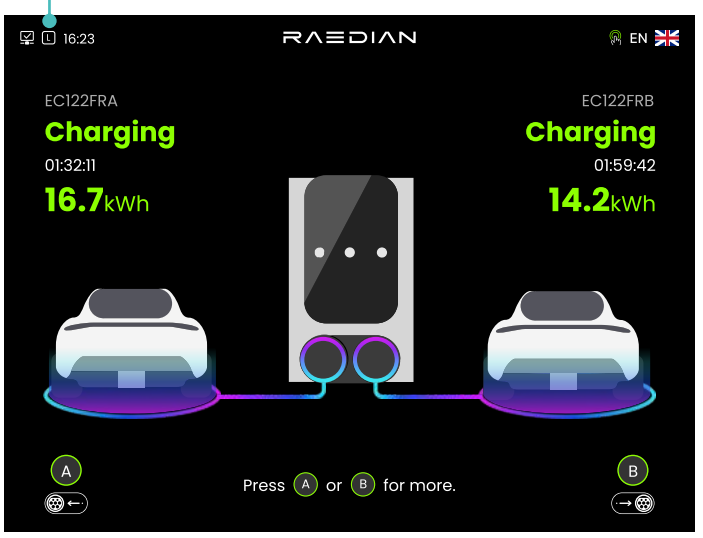
## 12 NEX




- L Leader connects to HDLM Kit
- L! HDLM Kit disconnected
- F Follower connects to Leader
- F! Leader disconnected

## 03 Gemini




- L Leader connects to HDLM Kit
- L! HDLM Kit disconnected
- F Follower connects to Leader
- F! Leader disconnected

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Haining City, 314416,
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China