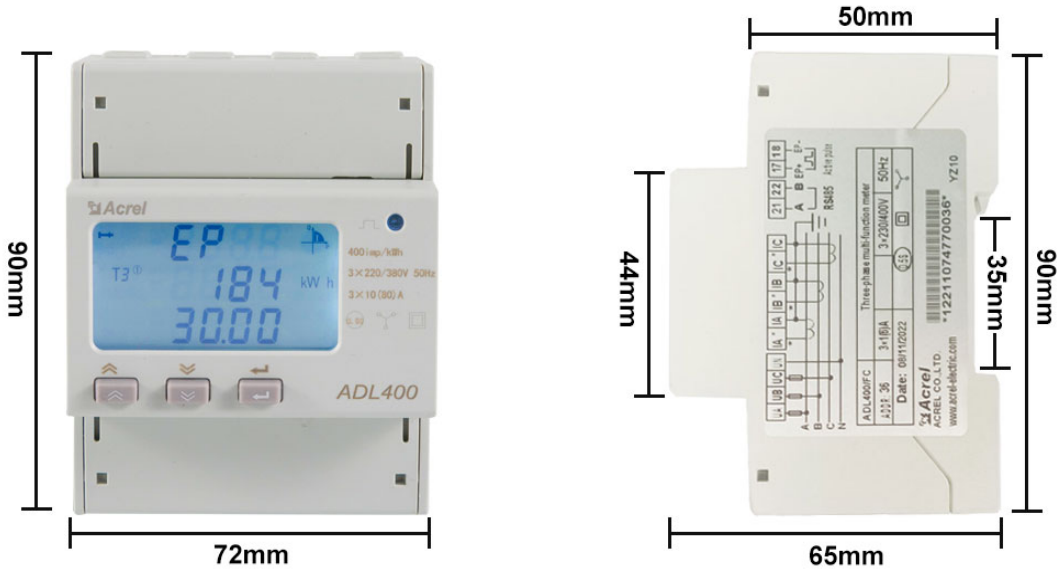
Author: Loki Elfin
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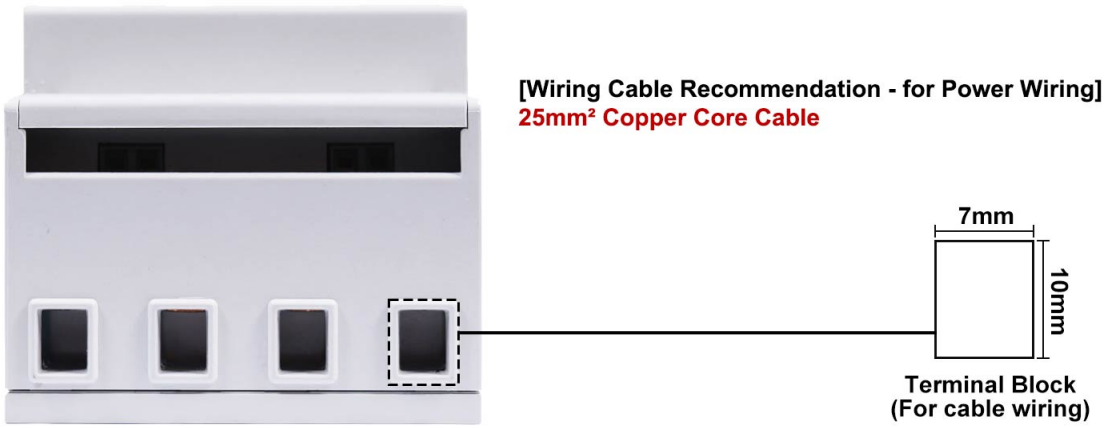
0. Installation Dimension

Dimension of necessary hardware including:

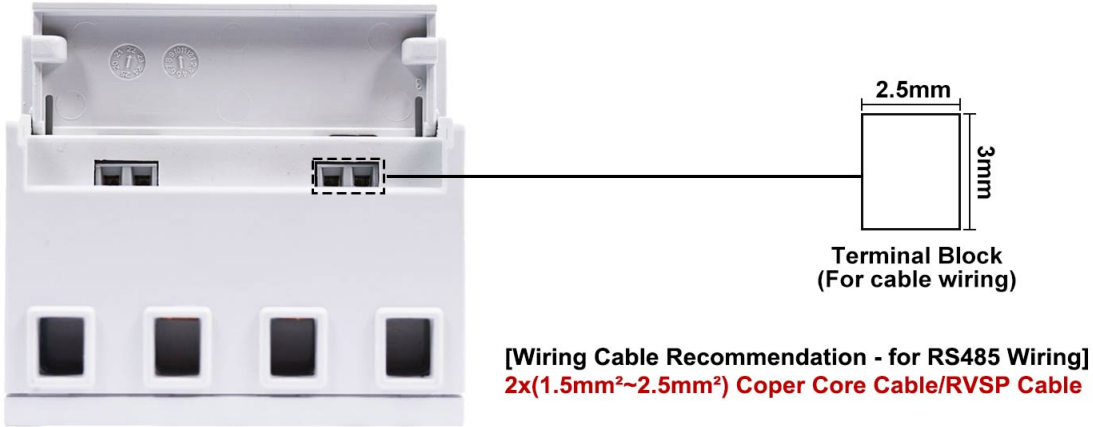
(1) ADL400 3-phase DIN-Rail Energy Meter (Main Body&Terminal Block/PIN)



(1) Dimension of Main Body of ADL400



(1) Dimension of Power Wiring Terminal Block of ADL400 [for direct power wiring]



(1) Dimension of Comms. Terminal Block of ADL400 [for RS485 Interface Wiring]

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1. Wiring Illustration

Only 1 parts of wiring was necessary for wiring of ADL400

(1) Power Wiring of ADL400 [3P3W, direct connect ver.]:

Use PIN L1 & PIN L1' for phase A live line power input&output respectively.

Use PIN L2 & PIN L2' for phase B live line power input&output respectively while we need short between PIN L2 and PIN N.

Use PIN L3 & PIN L3' for phase C live line power input&output respectively.

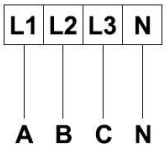
Noted: The installation direction of ADL400 must be according to the actual forward current&energy direction.



1

PIN for Current&Voltage Out/Input

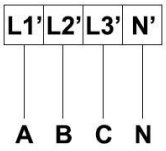
① PIN #L1: Phase A Input
② PIN #L2: Phase B Input
③ PIN #L3: Phase C Input
④ PIN #N: Neutral Output



2

PIN for Current&Voltage Out/Input

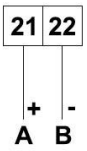
① PIN #L1': Phase A Output
② PIN #L2': Phase B Output
③ PIN #L3': Phase C Output
④ PIN #N': Neutral Input



3

Terminal/PIN for RS485 Interface

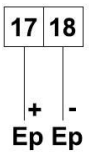
① PIN #21: RS485 Port A+
② PIN #22: RS485 Port B-



4

Terminal/PIN for Pulse Output

① PIN #17: Positive Pulse Output
② PIN #18: Negative Pulse Output



PIN Overview of ADL400
[Direct Connect Ver.]

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1. Wiring Illustration

Only 1 parts of wiring was necessary for wiring of ADL400

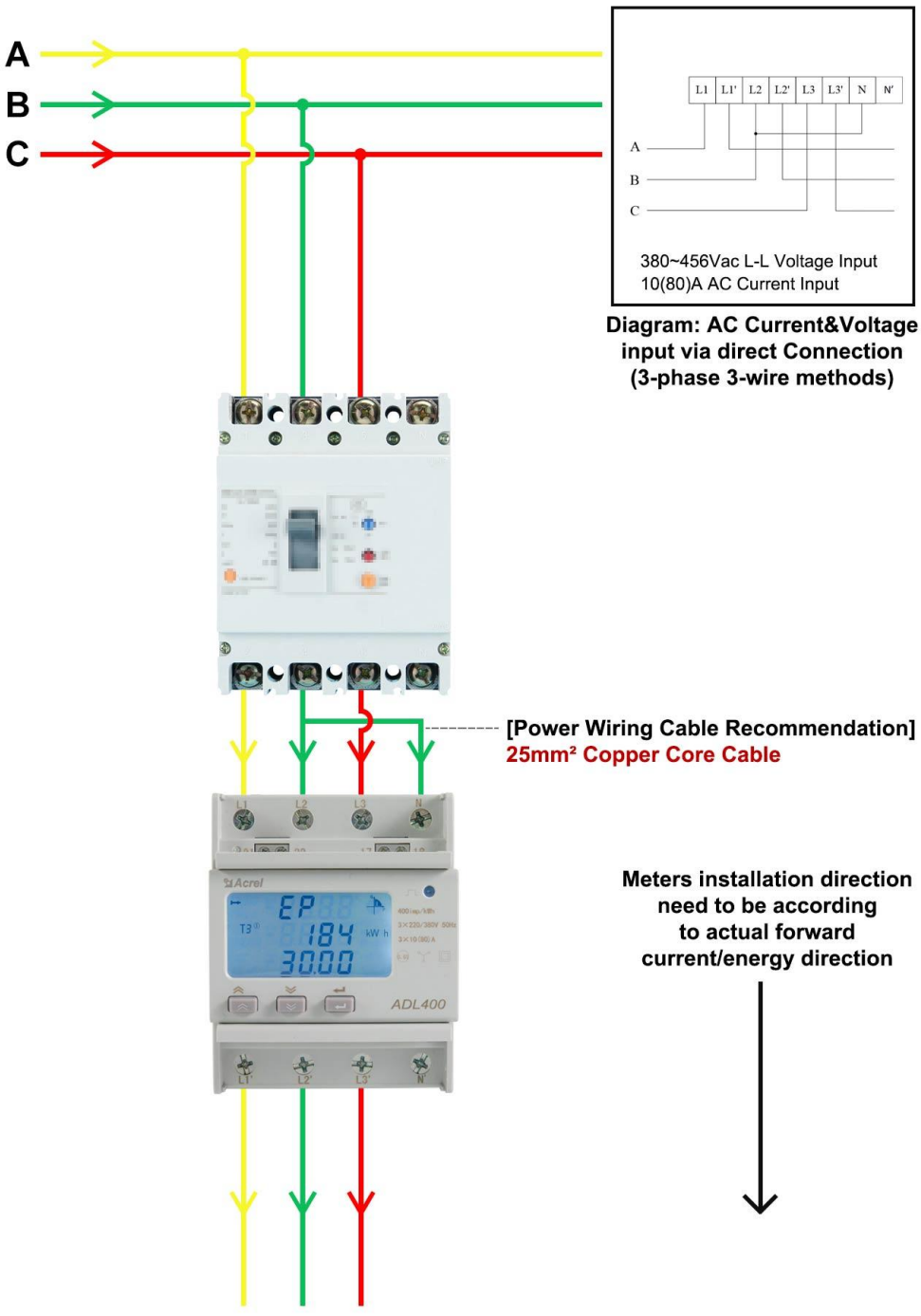
(1) Power Wiring of ADL400 [3P3W, direct connect ver.]:

Use PIN L1 & PIN L1' for phase A live line power input&output respectively.

Use PIN L2 & PIN L2' for phase B live line power input&output respectively while we need short between PIN L2 and PIN N.

Use PIN L3 & PIN L3' for phase C live line power input&output respectively.

Noted: The installation direction of ADL400 must be according to the actual forward current&energy direction.



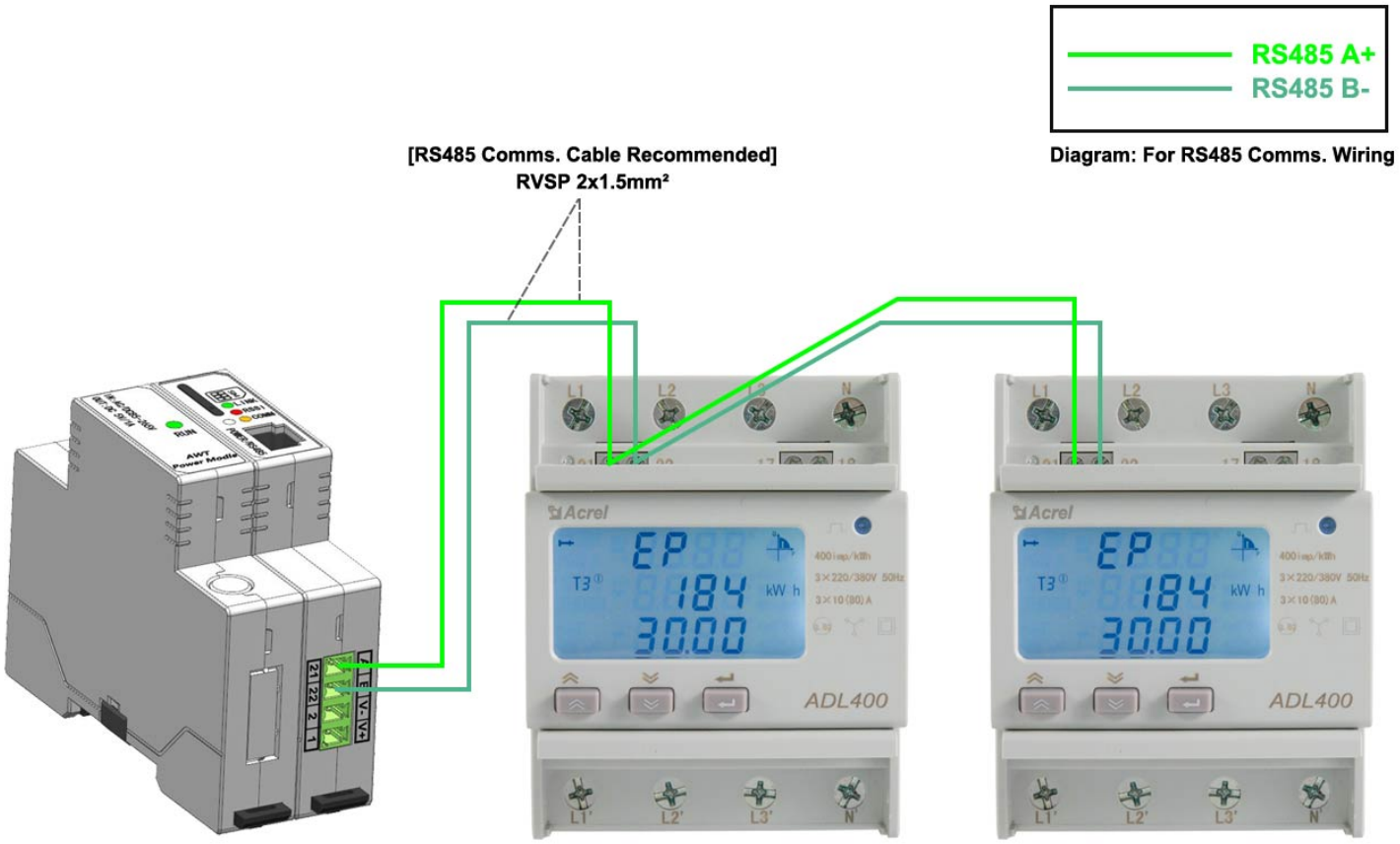
(1) Power Wiring of ADL400 [direct connect ver, 3P3W]

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1. Wiring Illustration

(2) RS485 Communnication Wiring between ADL400 and upstream devices [Take AWT100 Series IoT Gateway for exmaple]: PIN 21 of AWT100-4GHW connected to PIN 21 of first ADL400 to PIN 21 of second ADL400 and to PIN 21 of last ADL400. (So does the connection of PIN 22)



(2) RS485 Communication Wiring between ADL400&AWT100-4GHW

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