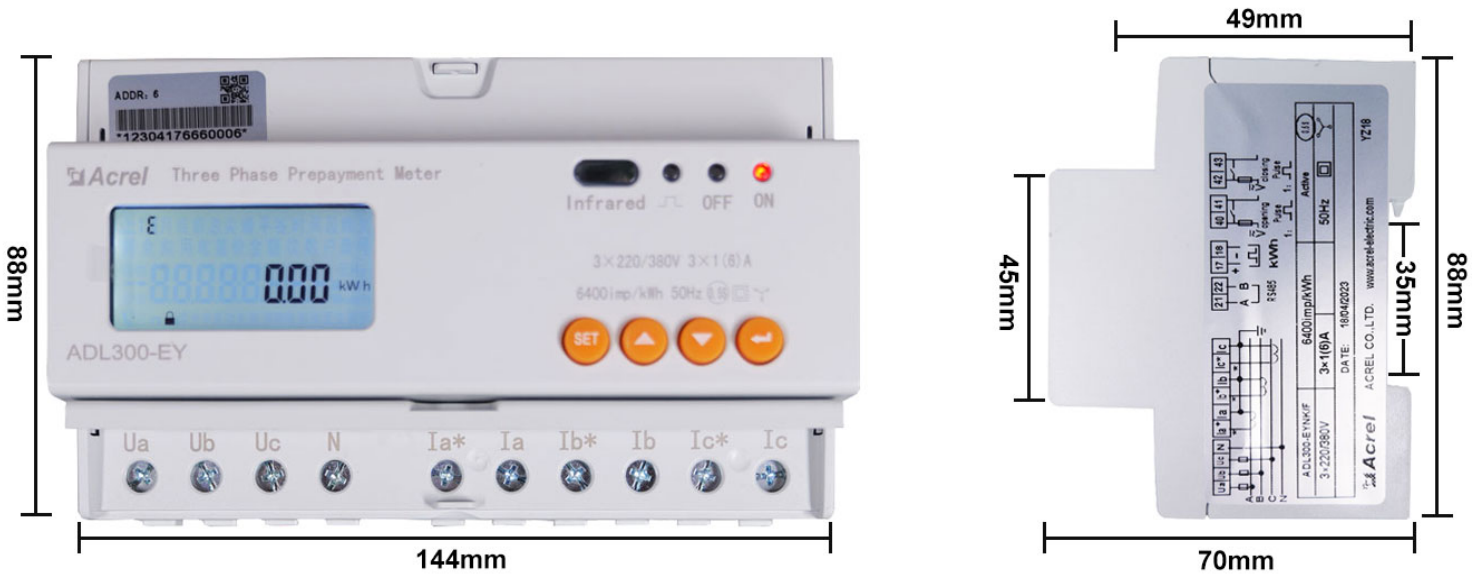
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0. Installation Dimension

Dimension of necessary hardware including:

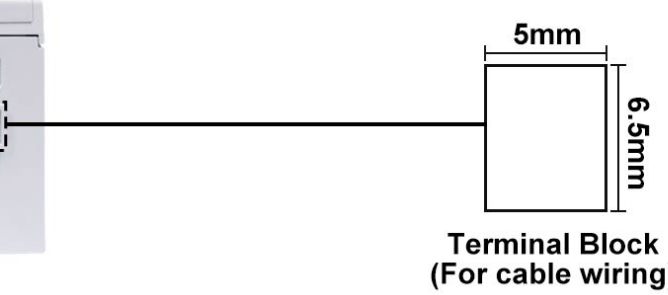
(1) ADL300-EY 3-phase Prepaid&Postpaid Energy Meter (Main Body&Terminal Block/PIN)



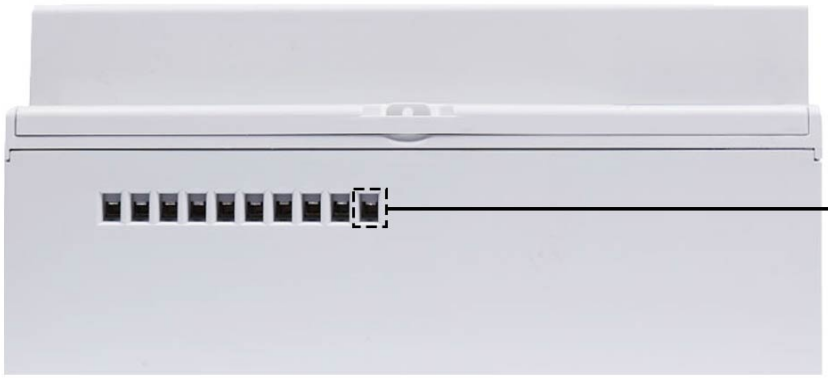
(1) Dimension of Main Body of ADL300-EY



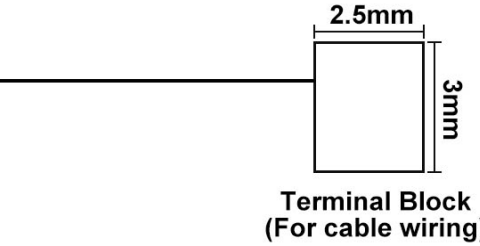
[Wiring Cable Recommendation: Power Wiring 16mm² Copper Core Cable]



(1) Dimension of Power Wiring Terminal Block of ADL300-EY [for CT Operated power wiring]



[Wiring Cable Recommendation: RS485&DO&etc. 2x(1.5mm²~2.5mm²) Copper Cable or RVSP Cable]



(1) Dimension of Comms.&DO Terminal Block of ADL300-EY [for RS485&DO Interface Wiring]

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1. Wiring Illustration

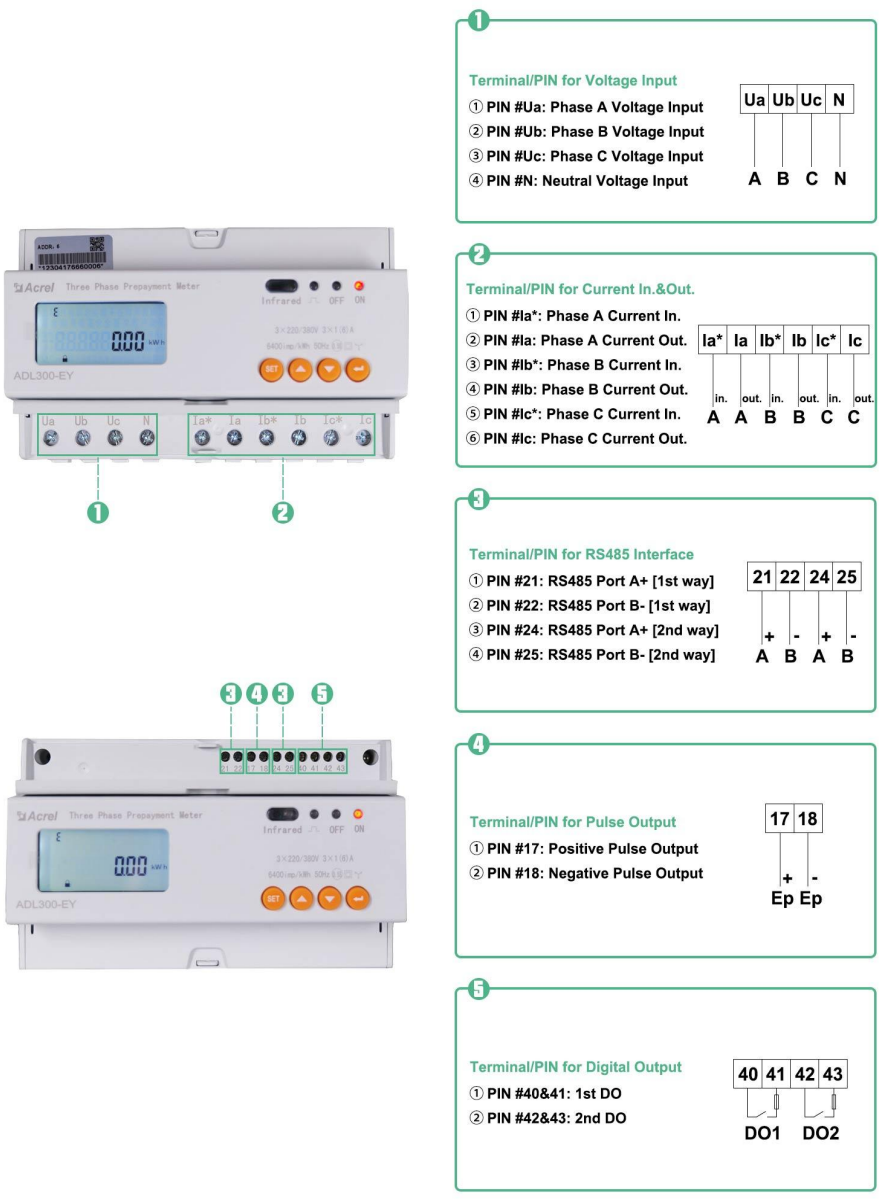
Only 2 parts of wiring was necessary for wiring of ADL300-EY

(1) Voltage Signal Input Wiring of ADL300-EY: Use PIN Ua, Ub, Uc, Un on ADL300-EY for 3-phase voltage input respectively.

(2) Current Signal Input Wiring of ADL300-EY: Use PIN Ia*, Ia, Ib*, Ib, Ic*, Ic for 3-phase current input respectively.

PIN Ia*, Ib*, Ic* on ADL300-EY connected to red wire (also S1 side) of 3 CTs respectively for 3-phase current input, PIN Ia, Ib, Ic on ADL300-EY connected to black wire (also S2 Side) of 3 CTs respectively for 3-phase current output)

Note #1: The installed direction (P1 to P2) of CTs must be according to the actual forward current/ energy direction.



PIN Overview of ADL300-EY
[CT Operated Ver.]

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1. Wiring Illustration

(1) Voltage Signal Input Wiring of ADL300-EY: Use PIN Ua, Ub, Uc, Un on ADL300-EY for 3-phase voltage input respectively.

(2) Current Signal Input Wiring of ADL300-EY: Use PIN Ia*, Ia, Ib*, Ib, Ic*, Ic for 3-phase current input respectively - PIN Ia*, Ib*, Ic* on ADL300-EY connected to red wire (also S1 side) of 3 CTs respectively for 3-phase current input, PIN Ia, Ib, Ic on ADL300-EY connected to black wire (also S2 Side) of 3 CTs respectively for 3-phase current output.

Note #1: The installed direction (P1 to P2) of CTs must be according to the actual forward current/ energy direction.

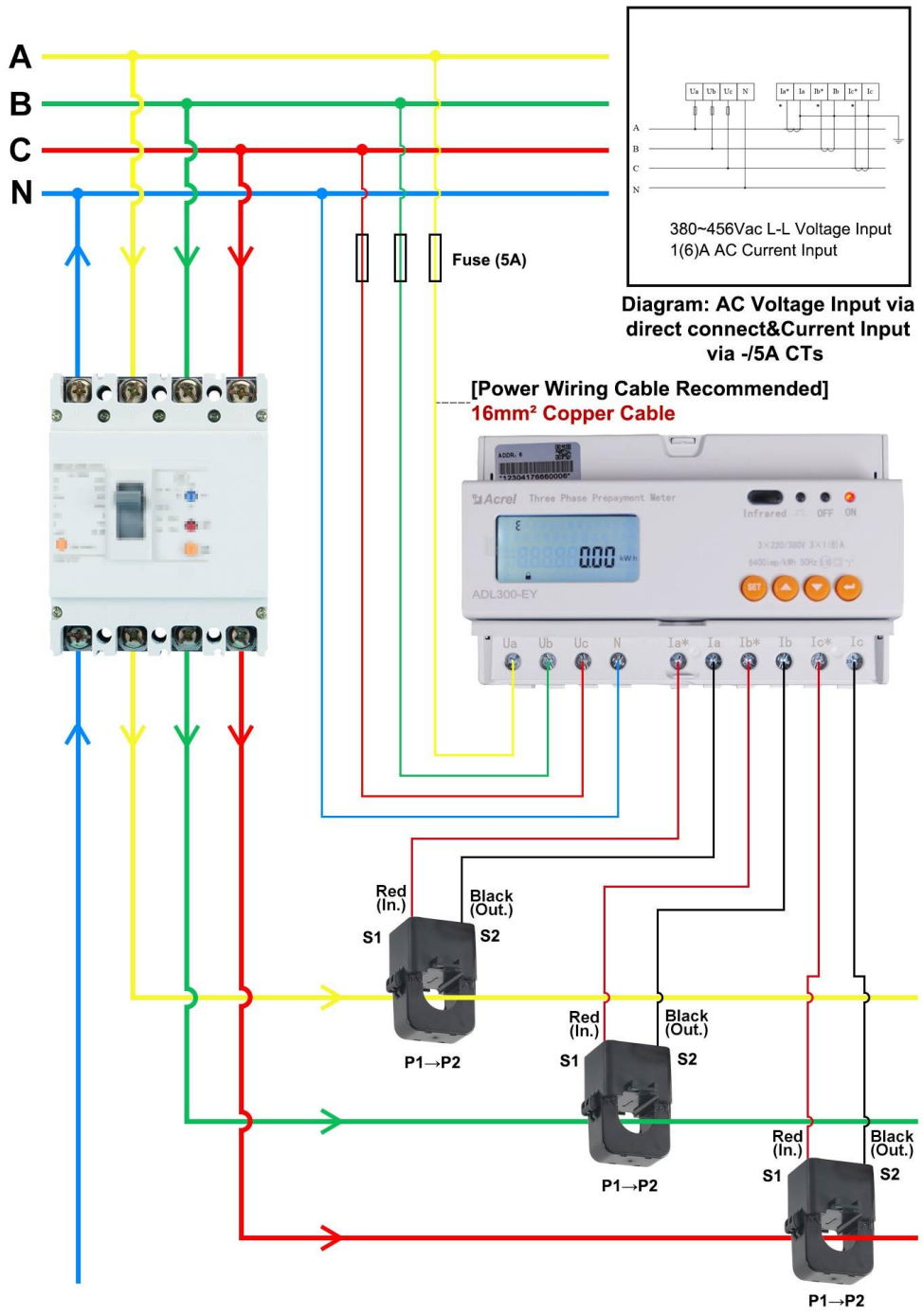


Diagram: AC Voltage Input via direct connect&Current Input via -/5A CTs

(1) Power Wiring of ADL300-EY [CT operated ver, 3P4W]

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1. Wiring Illustration

(2) RS485 Communnication Wiring between ADL300-EY and upstream devices [Take AWT100 Series IoT Gateway for exmaple]:

PIN 21 of AWT100 connected to PIN 21 of first ADL300-EY to PIN 21 of second ADL300-EY and to PIN 21 of last ADL300-EY.

PIN 22 of AWT100 connected to PIN 22 of first ADL300-EY to PIN 22 of second ADL300-EY and to PIN 22 of last ADL300-EY.

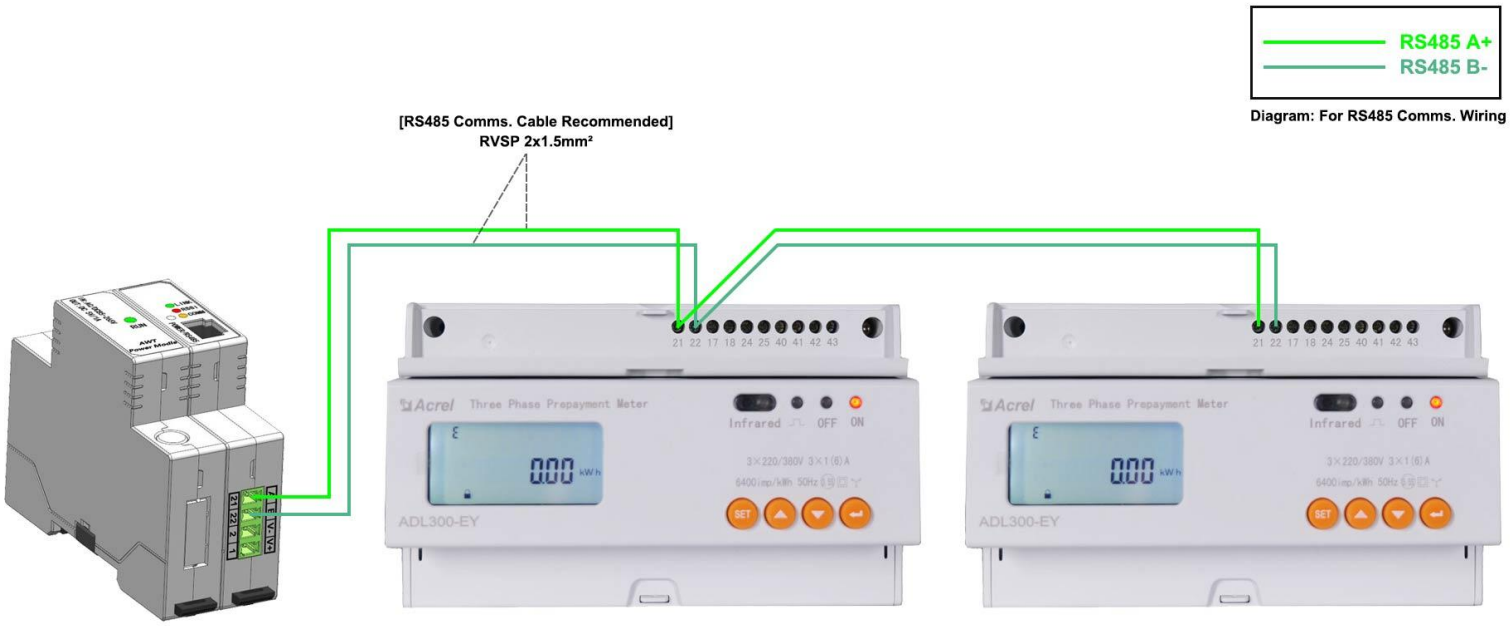


Diagram: For RS485 Comms. Wiring

(2) RS485 Communication Wiring between ADL300-EY&AWT100 Series

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