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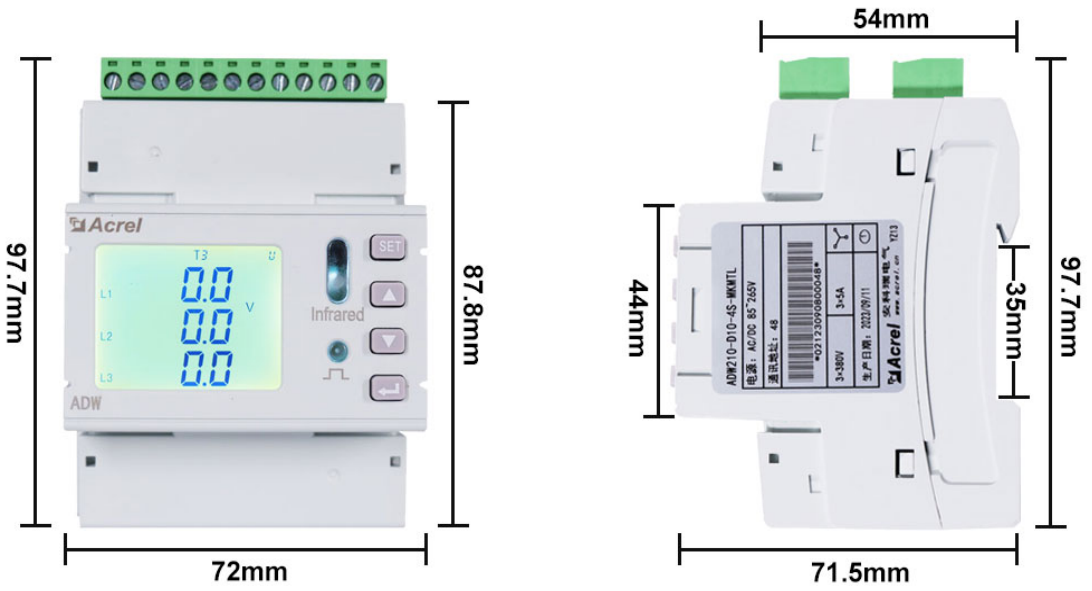
0.Installation Dimension

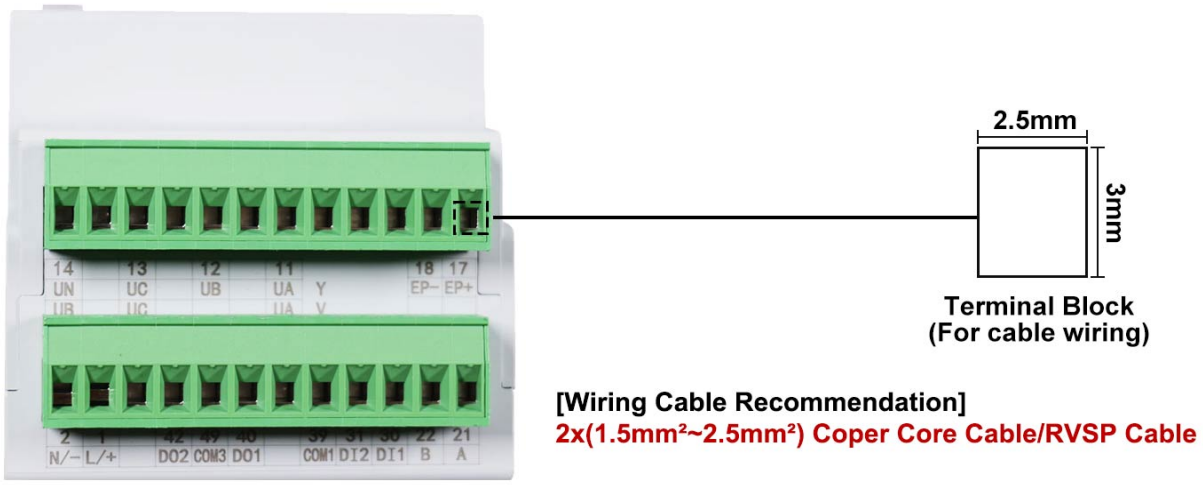
Dimension of necessary hardware including:

(1) ADW210 3-phase Multi-circuit Energy Meter (Main Body&Terminal Block/PIN)

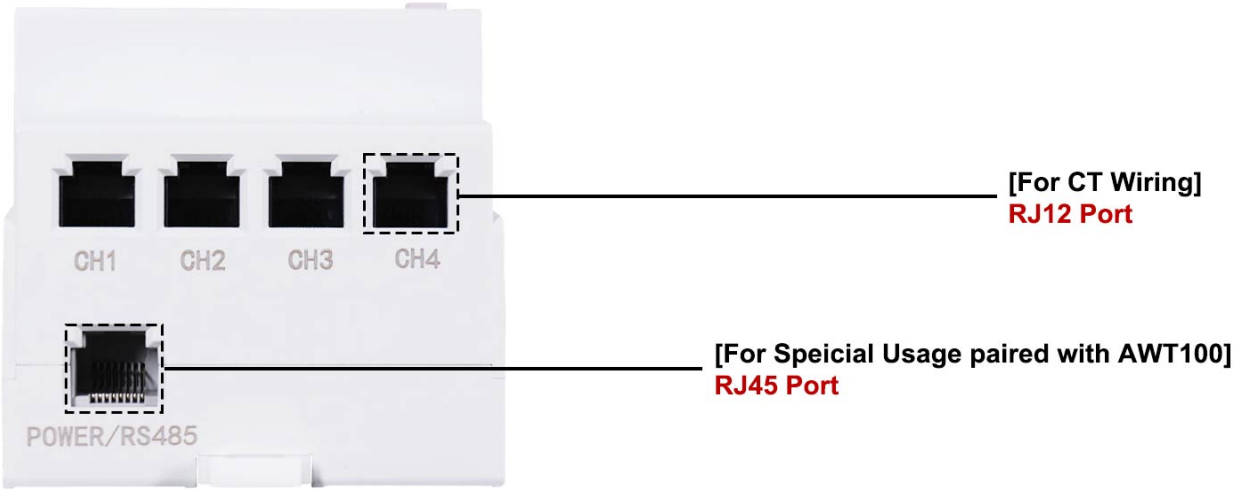
(2) AKH-0.66/K K-φxxN Series 3 in 1 Current Transformer (Main Body + Output Cable)



(1) Dimension of Main Body of ADW210



(1) Dimension of Upside Terminal Block of ADW210



(1) Dimension of Downside Terminal Block of ADW210

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0. Installation Dimension

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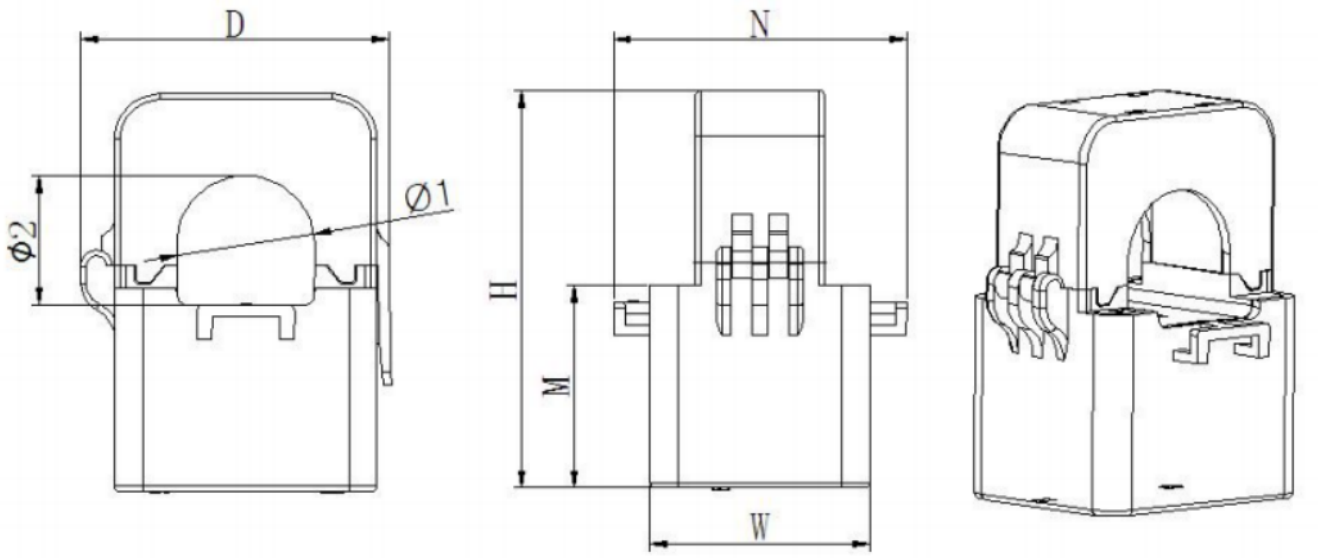
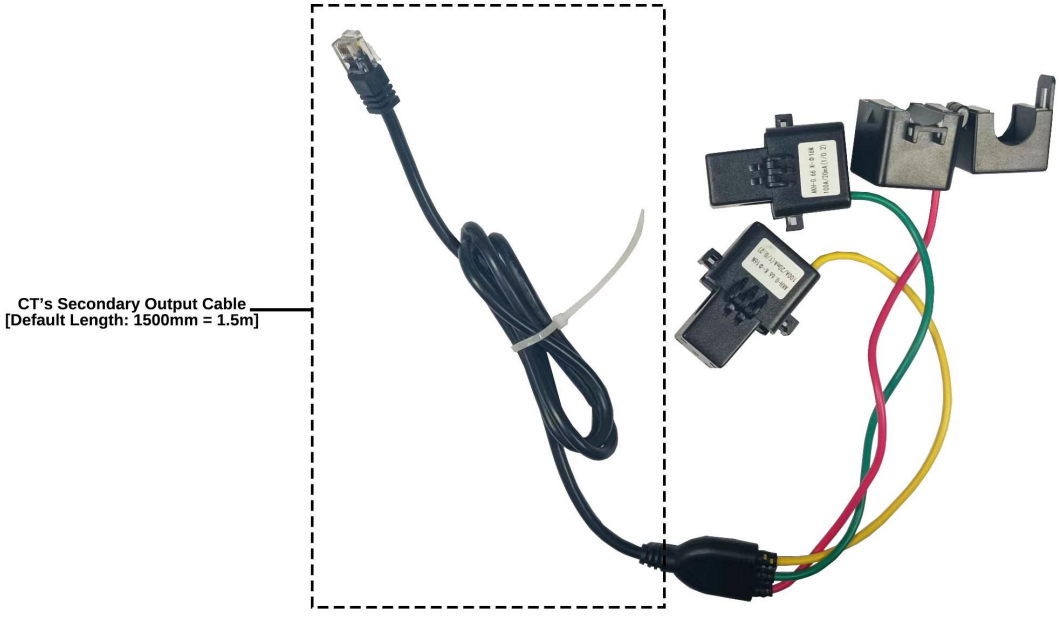


Current Transformer	Dimension(mm)					Perforation size (mm)		tolerance(mm)
	W	H	D	M	N	Φ1	Φ2	
AKH-0.66/K-⌀ 10N	27	44	32	25	36	10	9	±1
AKH-0.66/K-⌀ 16N	31	50	36	27	42	16	17	
AKH-0.66/K-⌀ 24N	39	71	46	36	52	24	23.5	
AKH-0.66/K-⌀ 36N	42.5	82	58	40	56	33.5	35	

(2) Dimension of Main Body of AKH-0.66/K K-φxxN Series



(2) Dimension of Secondary Output Cable of AKH-0.66/K K-φ Series

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1. Wiring Illustration

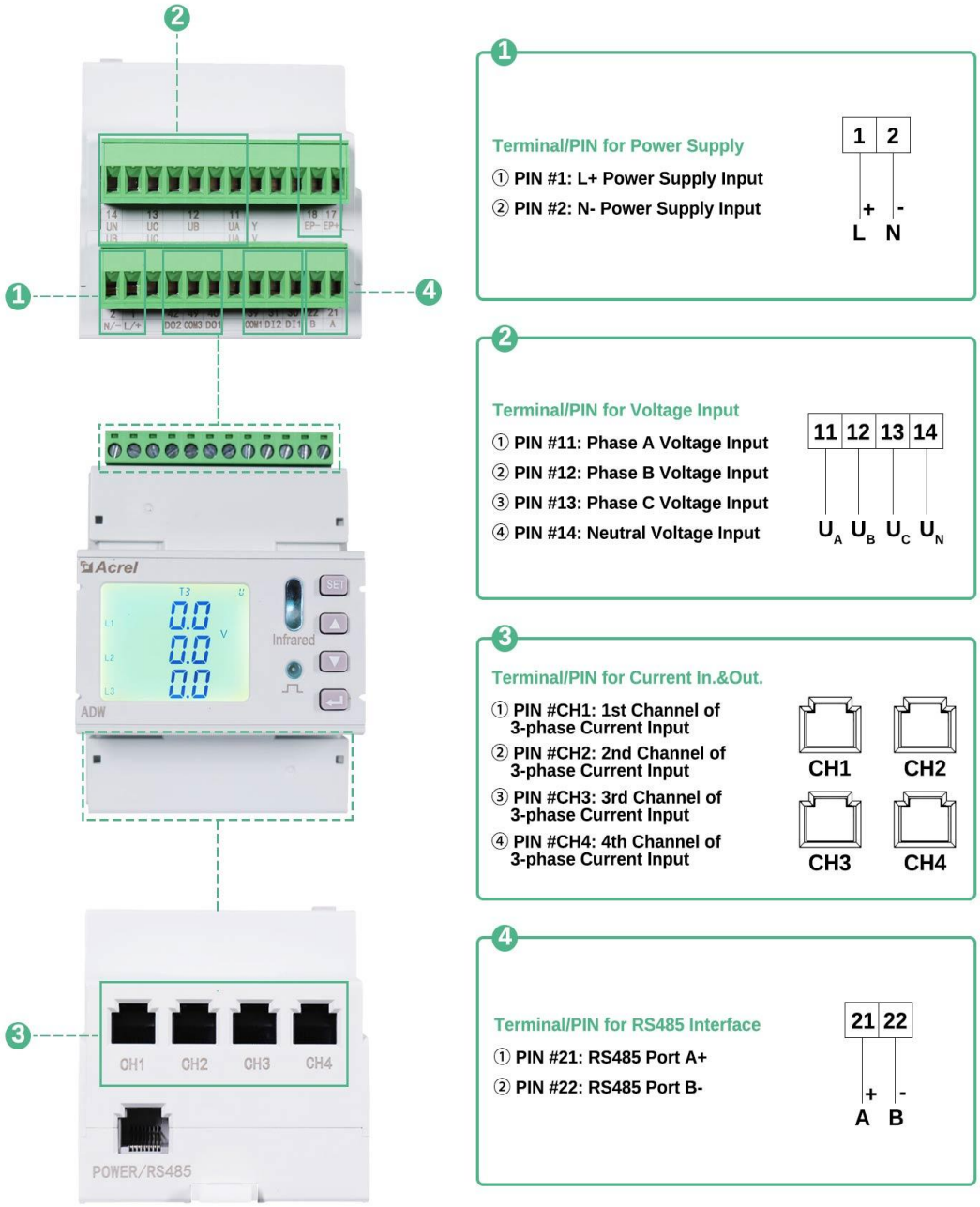
Only 3 parts of wiring was necessary for wiring of ADW210

(1) Voltage Signal Input Wiring of ADW210: Use PIN UA, UB, UC, UN on ADW210 for 3-phase voltage input respectively. [3-phase 4-wire wiring methods.]

(2) Current Signal Input Wiring of ADW210: Use PIN CH1, CH2, CH3, CH4 for 4 channels of 3-phase current input respectively [3-phase 4-wire wiring methods]

(3) Auxiliary Power Supply: For power supply of ADW210, use PIN 1,2 on ADW210, and be aware the volage level of auxiliary power supply must be within range of 85~265Vac/Vdc.

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



Major PIN Overview of ADW210

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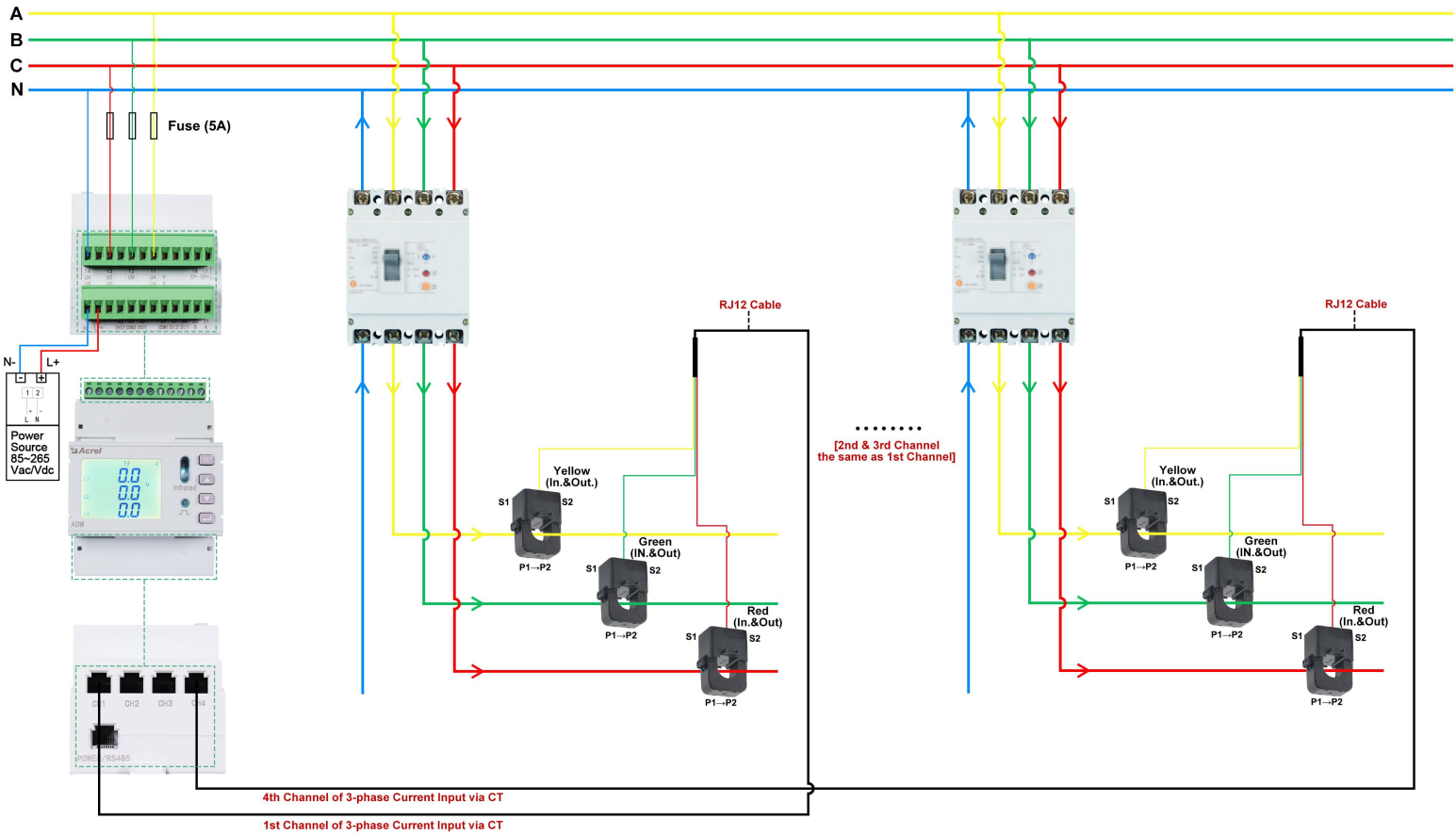

(1&2&3) Power Wiring of ADW210

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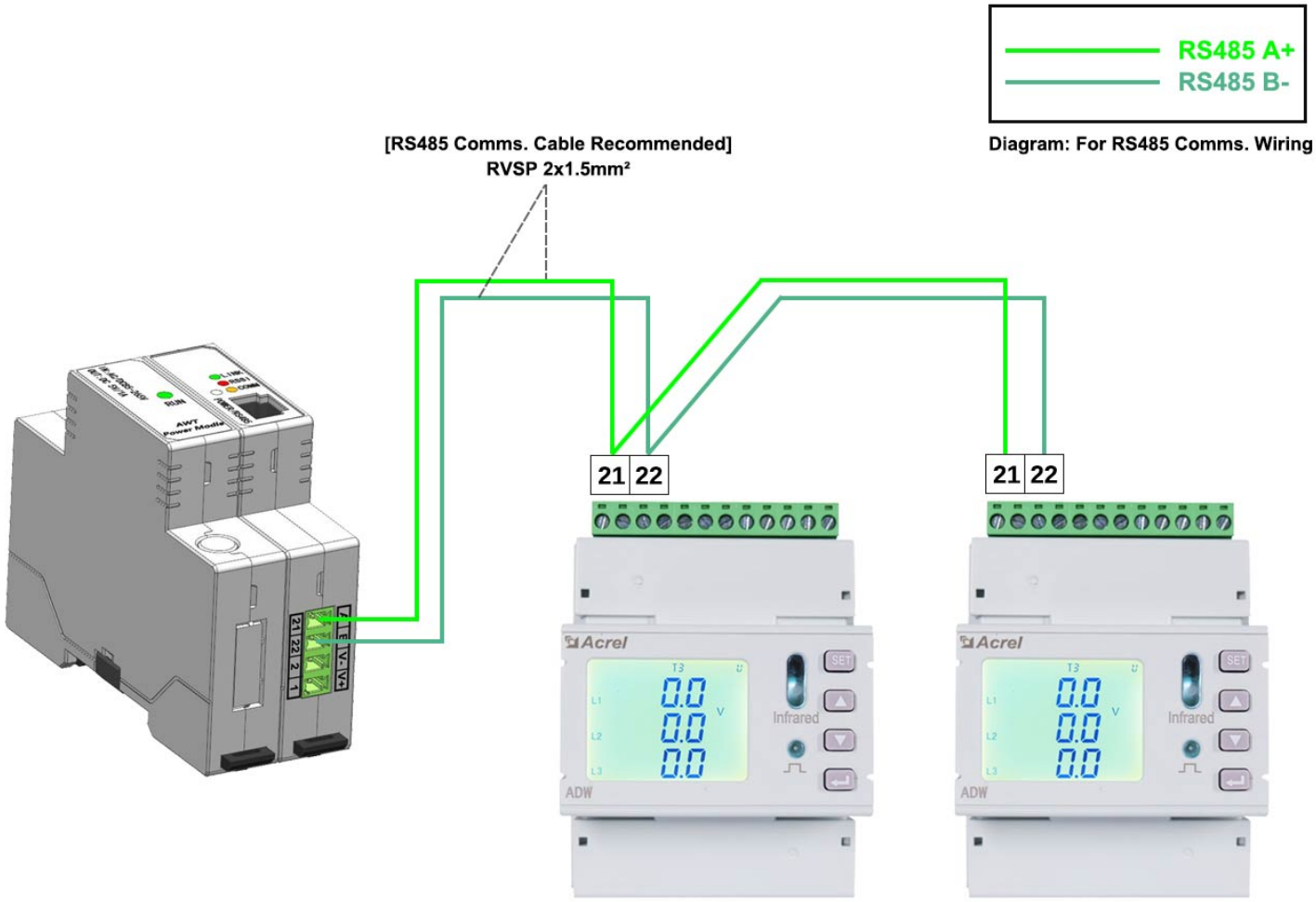
1. Wiring Illustration

(4) RS485 Communnication Wiring between ADW210 and upstream devices [Take AWT100 Series IoT Gateway for exmaple]:

PIN 21 of AWT100-4GHW connected to PIN 21 of first ADW210 to PIN 21 of second ADW210 and to PIN 21 of last ADW210. [RS485 Port A+ to RS485 Port A+ to RS485 Port A+]

PIN 22 of AWT100-4GHW connected to PIN 22 of first ADW210 to PIN 22 of second ADW210 and to PIN 22 of last ADW210. [RS485 Port B- to RS485 Port B- to RS485 Port B-]



(4) RS485 Communication Wiring between ADW210&AWT100-4GHW