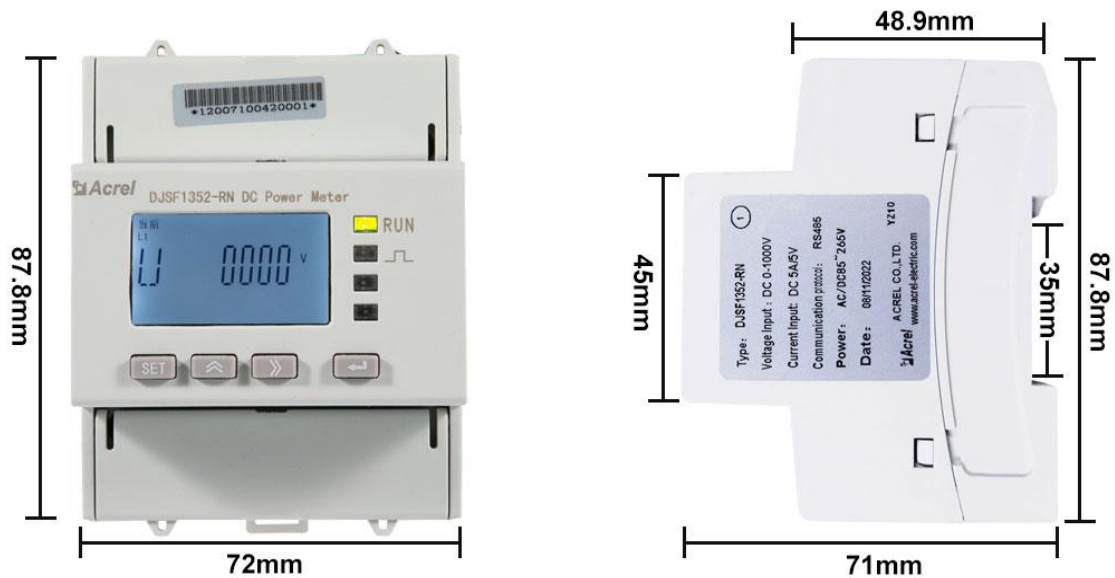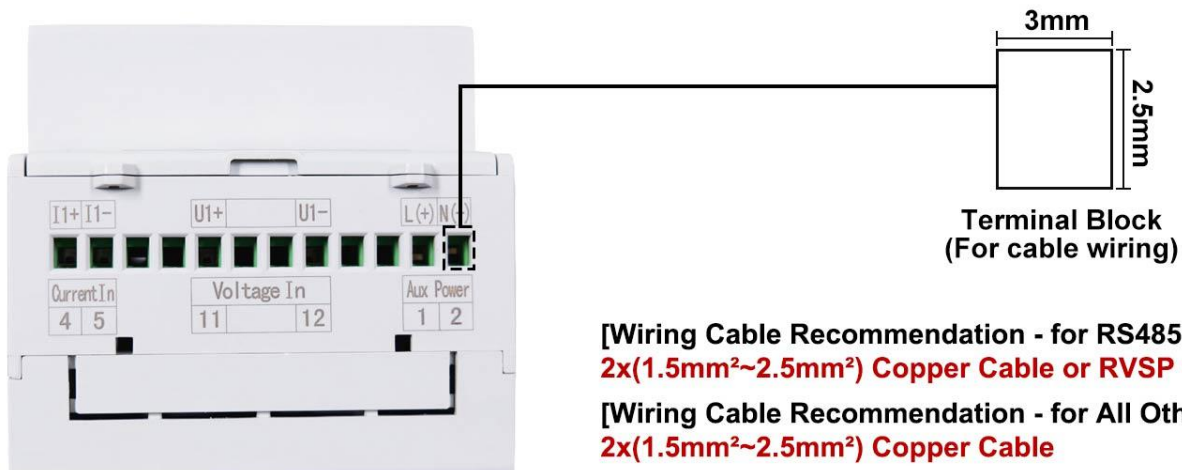**Acrel**®

0. Installation Dimension

Dimension of necessary hardware including:

(1) DJSF1352-RN DC DIN-Rail Energy Meter (Main Body&Terminal Block/PIN)

(1) Dimension of Main Body of DJSF1352-RN

**Terminal Block
(For cable wiring)**

[Wiring Cable Recommendation - for RS485 Port]:
2x(1.5mm²~2.5mm²) Copper Cable or RVSP Cable

[Wiring Cable Recommendation - for All Other PIN]:
2x(1.5mm²~2.5mm²) Copper Cable

(1) Dimension of PIN/Terminal Block of DJSF1352-RN

1. Wiring Illustration

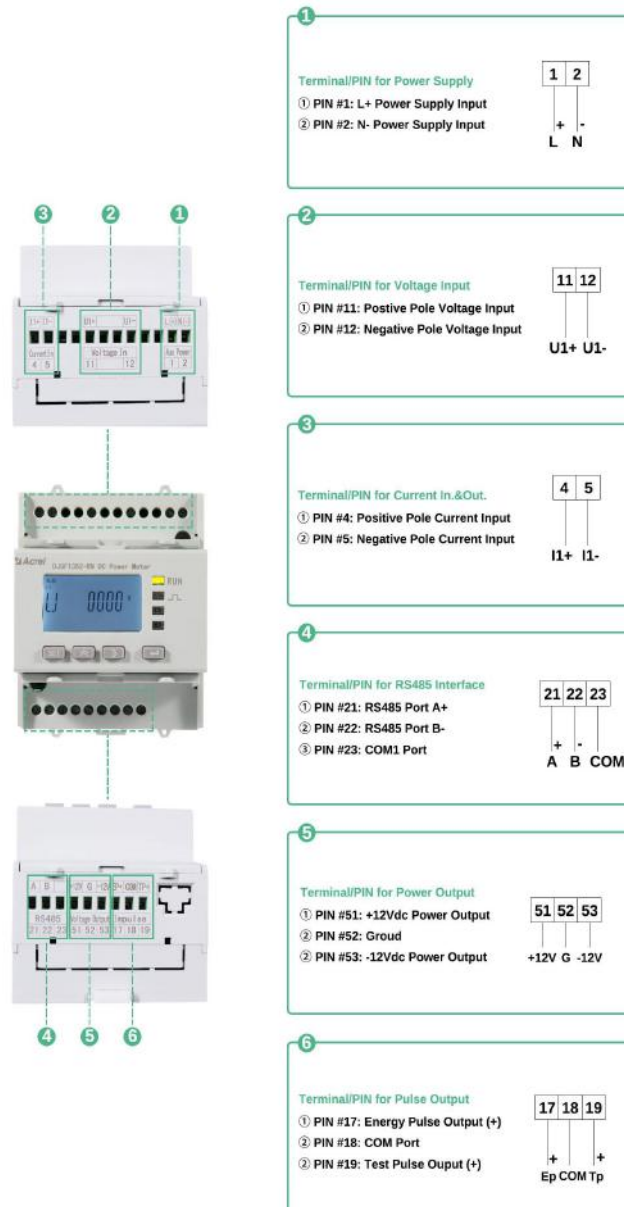Only 3parts of wiring was necessary for wiring of DJSF1352-RN DC Energy Meter

(1) Current Signal Input Wiring: PIN 4 and PIN 5 of DJSF1352-RN connect to PIN M and PIN G of paired Hall Sensor respectively.

(2) Voltage Signal Input Wiring: PIN U1+ connect to positive pole of monitoring DC circuit, PIN U1- connect to negative pole of monitoring DC circuit accordingly.

(3) Auxiliary Power Supply Wiring: Use PIN 1 and PIN 2 connect to suitable power source for the power supply of DJSF1352-RN. [Power Supply Voltage input range check on the label of DJSF1352-RN]

(4) Extra Power Output to paired Hall Sensor: DJSF1352-RN can use PIN 51, PIN 52, PIN 53 for supplying the extra ±12Vdc Power supply to paired Hall Sensor.

Noted: The installation direction of paired Hall Sensor must be according to the actual forward current direction.

Terminal/PIN for Power Supply
① PIN #1: L+ Power Supply Input
② PIN #2: N- Power Supply Input

1	2
+	-
L	N

Terminal/PIN for Voltage Input
① PIN #11: Postive Pole Voltage Input
② PIN #12: Negative Pole Voltage Input

11	12
U1+	U1-

Terminal/PIN for Current In.&Out.
① PIN #4: Positive Pole Current Input
② PIN #5: Negative Pole Current Input

4	5
I1+	I1-

Terminal/PIN for RS485 Interface
① PIN #21: RS485 Port A+
② PIN #22: RS485 Port B-
③ PIN #23: COM1 Port

21	22	23
+	-	
A	B	COM

Terminal/PIN for Power Output
① PIN #51: +12Vdc Power Output
② PIN #52: Groud
② PIN #53: -12Vdc Power Output

51	52	53
+12V	G	-12V

Terminal/PIN for Pulse Output
① PIN #17: Energy Pulse Output (+)
② PIN #18: COM Port
② PIN #19: Test Pulse Ouput (+)

17	18	19
+		+
Ep	COM	Tp

PIN Overview of DJSF1352-RN

1. Wiring Illustration

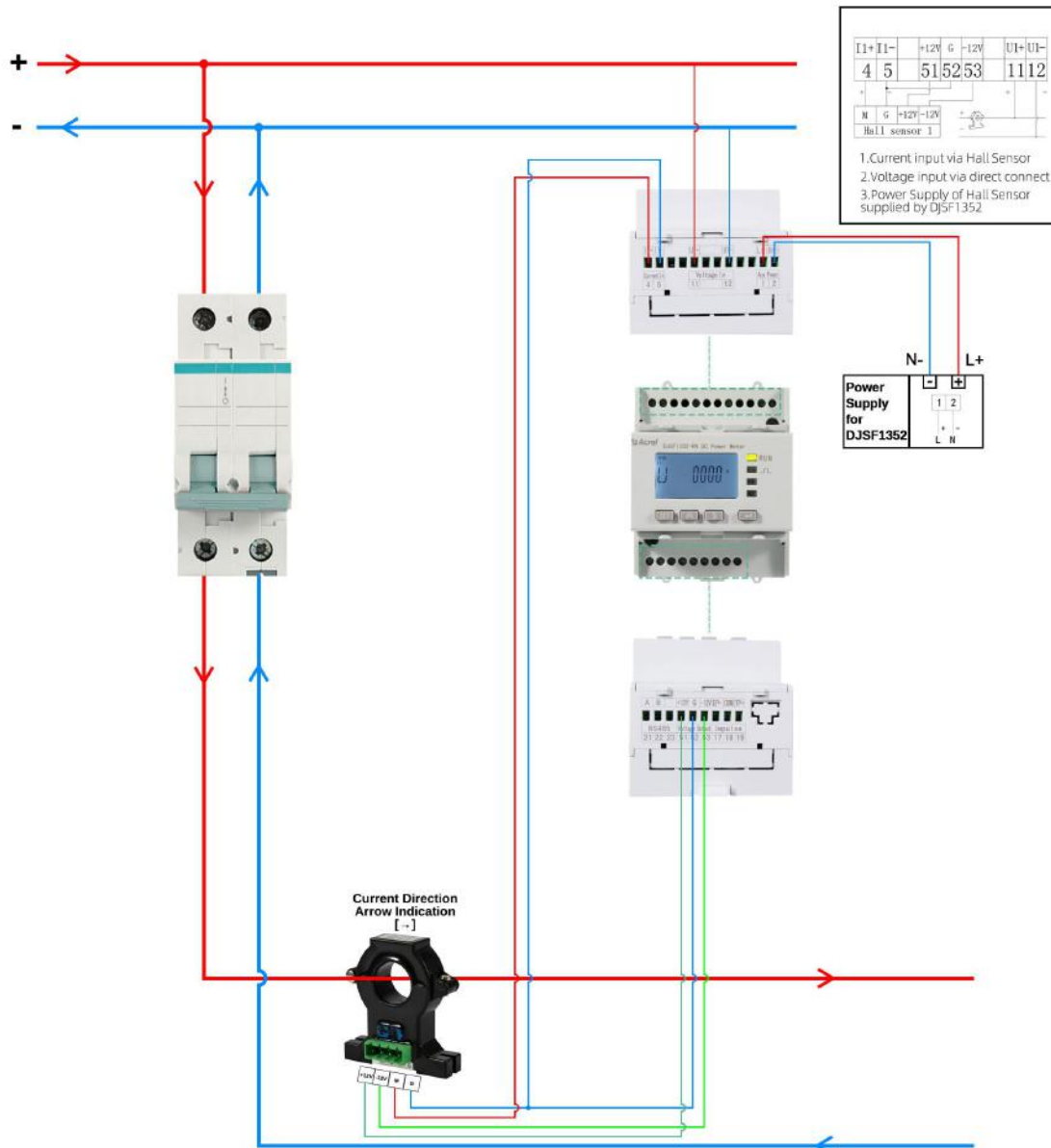Only 3parts of wiring was necessary for wiring of DJSF1352-RN DC Energy Meter

(1) Current Signal Input Wiring: PIN 4 and PIN 5 of DJSF1352-RN connect to PIN M and PIN G of paired Hall Sensor respectively.

(2) Voltage Signal Input Wiring: PIN U1+ connect to positive pole of monitoring DC circuit, PIN U1- connect to negative pole of monitoring DC circuit accordingly.

(3) Auxiliary Power Supply Wiring: Use PIN 1 and PIN 2 connect to suitable power source for the power supply of DJSF1352-RN. [Power Supply Voltage input range check on the label of DJSF1352-RN]

(4) Extra Power Output to paired Hall Sensor: DJSF1352-RN can use PIN 51, PIN 52, PIN 53 for supplying the extra ±12Vdc Power supply to paired Hall Sensor.

Noted: The installation direction of paired Hall Sensor must be according to the actual forward current direction.

PIN Overview of DJSF1352-RN

1. Wiring Illustration

(5) RS485 Comms. wiring between DJSF1352-RN its upstream device [take AWT100 IoT gateway for example]

PIN 21 of AWT100-4GHW connected to PIN 21 of first DJSF1352-RN to PIN 21 of second DJSF1352-RN and to PIN 21 of last DJSF1352-RN. [RS485 Port A+ to RS485 Port A+ to RS485 Port A+]

PIN 22 of AWT100-4GHW connected to PIN 22 of first DJSF1352-RN to PIN 22 of second DJSF1352-RN and to PIN 22 of last DJSF1352-RN. [RS485 Port B- to RS485 Port B- to RS485 Port B-]
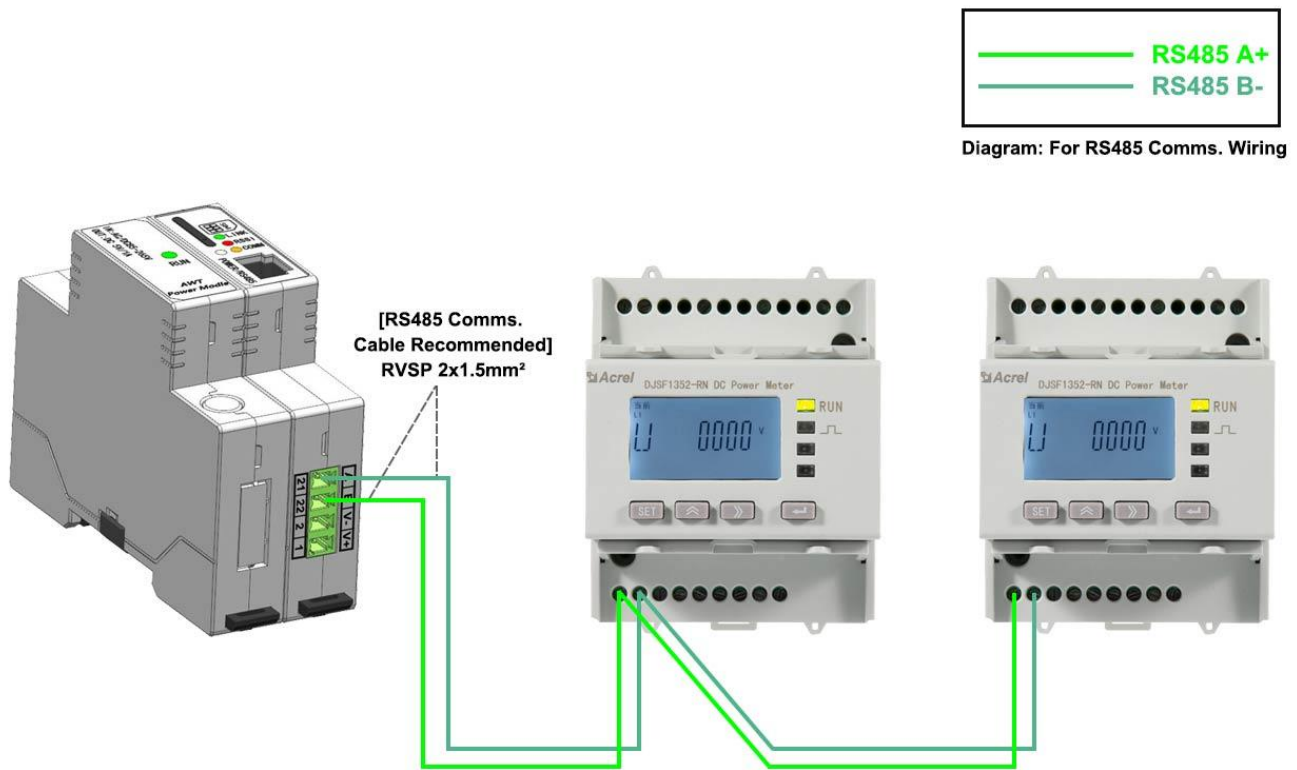
RS485 Comms. Wiring between DJSF1352-RN&AWT100-4GHW