



JDA Transmitter-PLC Outdoor Kit Quick Installation Guide



note: subject to change without any notice, JDA pay no responsibility



Transmitter-PLC Installation

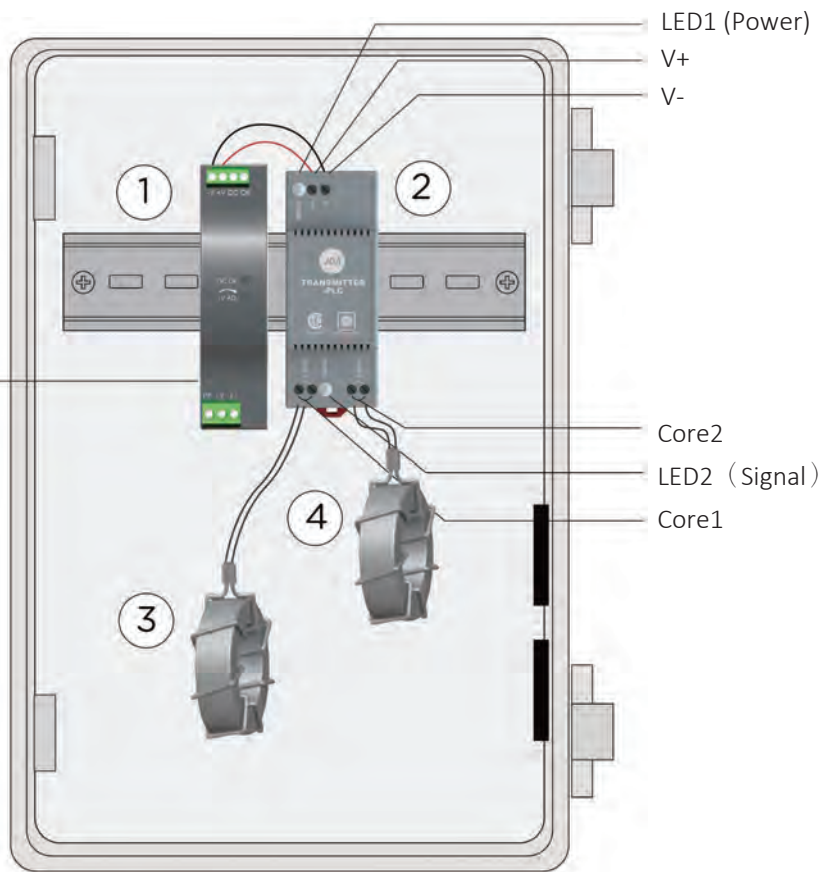
- ① Power Supply
- ② Transmitter-PLC
- ③ Core 1
- ④ Core 2

180/550Vac
Power Supply

Optional Power Supply
120/240VAC
480/277VAC

Note:

Transmitter-PLC terminal
installation requirements:
1. A 3mm slotted screwdriver
2. The torque requirement
standard: 0.2-0.4N•m



Note: If there is only one core needed, connect using Core 1 terminal.

Power supply must be on same AC branch circuit as inverter to meet rapid shutdown requirements.

During operation, the Power LED should be lit and the signal LED should be blinking. If the Transmitter fails to work, the signal LED will not be blinking.

If the Power LED is also not lit, check the power supply first.

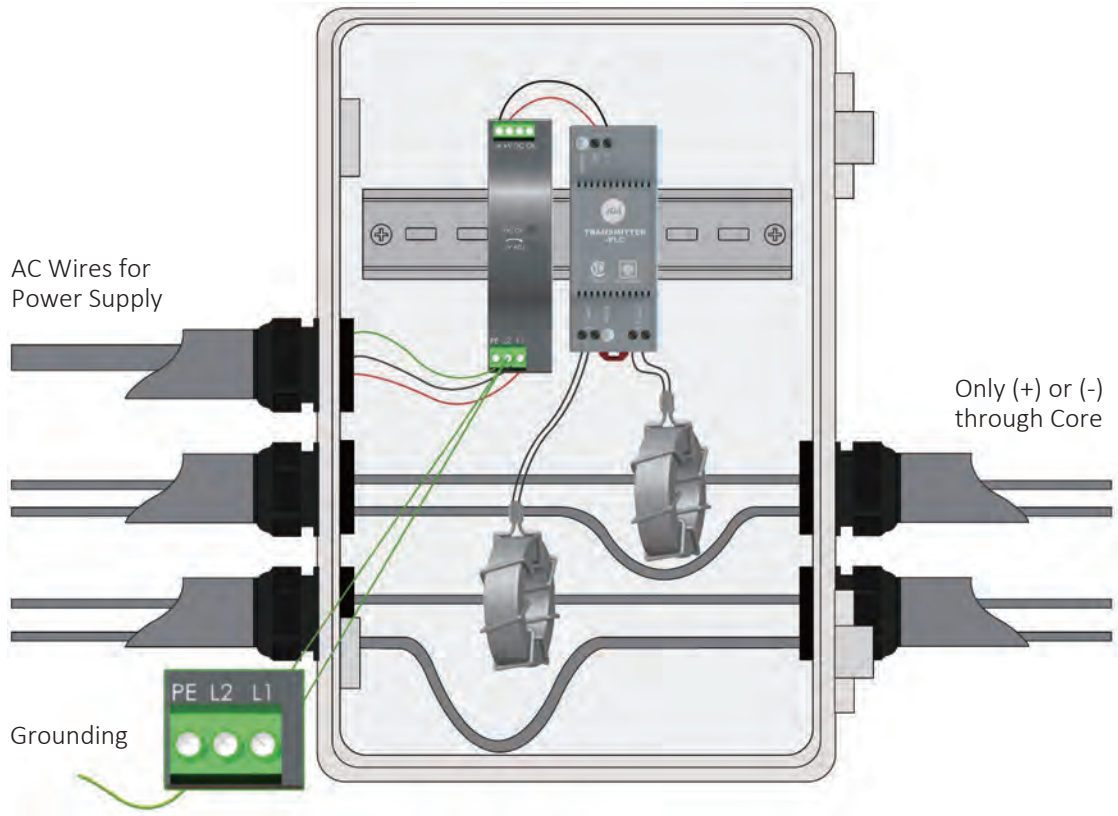
Note: Install the RSD-S-PLC before powering on the Transmitter.

- Mount Transmitter-PLC and power supply on DIN rail
- Connect DC leads from power supply to transmitter-PLC
- Connect dual core(Core 1 and Core 2) to transmitter-PLC

Place rapid shutdown system label no more than 1m (3ft) from Transmitter or AC disconnect if not at same location.



Transmitter-PLC Wiring



Note: 180/550Vac power supply isolation class I requires grounding.
 85/264Vac power supply isolation class II does not require.

Note: Install the RSD-S-PLC before powering on the Transmitter.

- Pass either positive or negative cables through cores(either both positive cables or both negative cables. Do not use one positive and one negative cable.)
- Connect wires to AC side of Power supply

Max.Number of Strings Per Core :

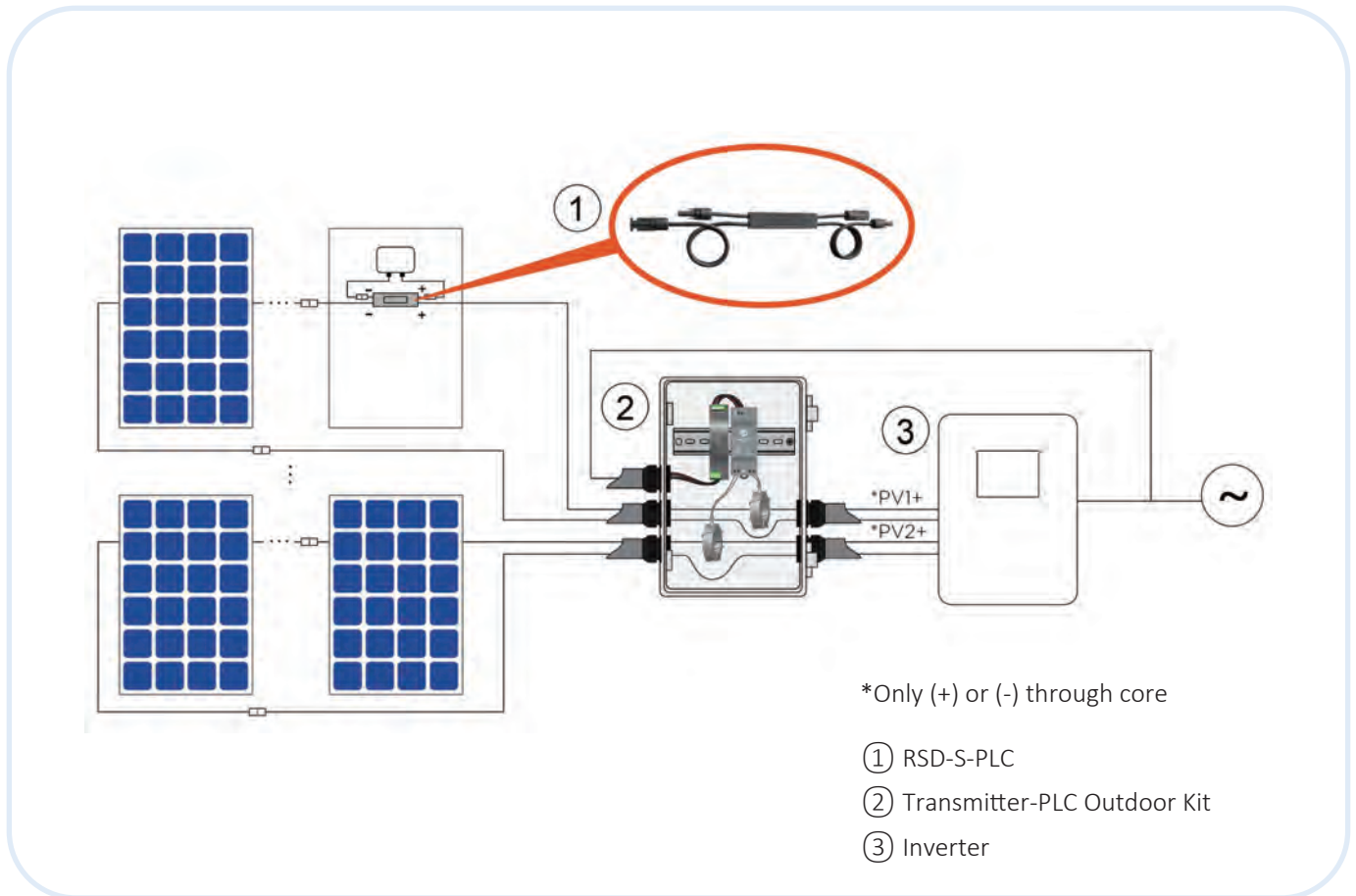
DC Cable Diameter(without connector)	Φ5.9mm	Φ6.35mm	Φ7mm	Φ8.6mm
29mm Core	≤15	≤15	≤14	≤10

Max String Length: 30 modules

Max Current Per Core: 150A

Max Cable Length From Inverter (+) to Inverter (-): 1000ft (300m)

Transmitter-PLC Wiring



Troubleshooting

Check that the system conforms to the design rules:

- Up to 30 modules per string
- String length up to 1000ft (total cable length from + to -)
- DC cables through Core must be the same polarity (all positive or all negative)

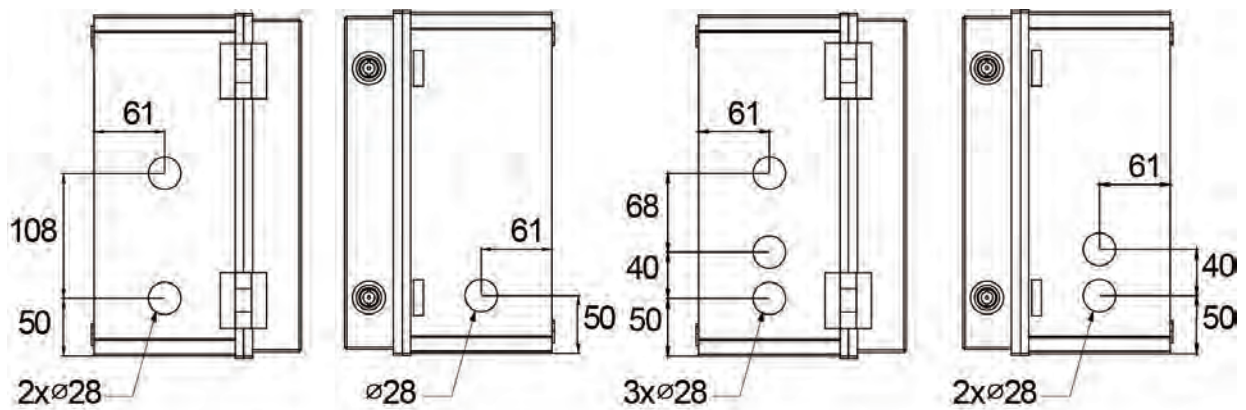
- Power LED should be lit and Signal LED should be blinking during operation
- Verify that Core wiring is correct
- Power cycle Transmitter-PLC if Signal LED is unlit

Outdoor Kit Drilling Guide

Drilling Guide for .75" Conduit

Single Core

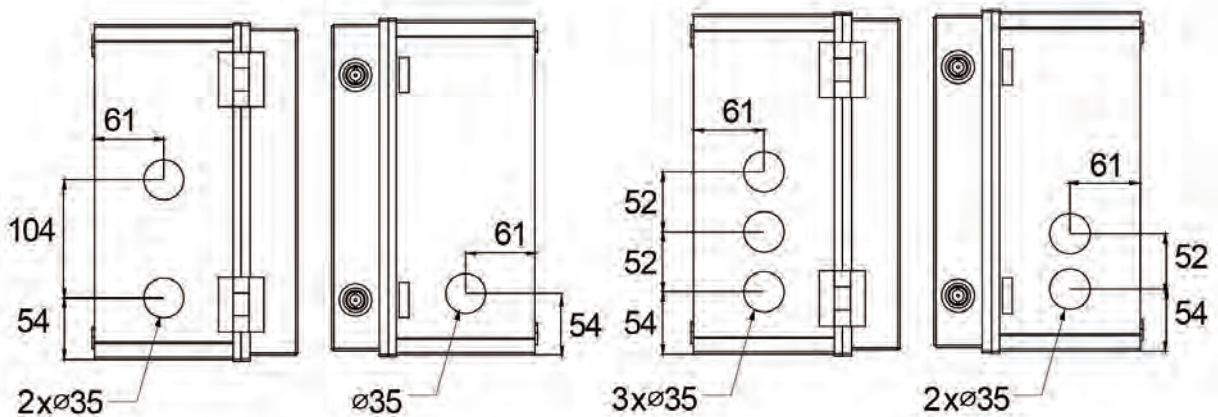
Dual Core



Drilling Guide for 1" Conduit

Single Core


Dual Core






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