



DRC-001

Installation Instruction



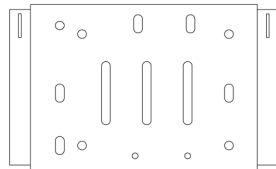
I. Introduction

The DRC-001 is a smart controller for Schneider Auto Reclosers, which is our flagship solution for medium voltage distribution grids (22kV/35kV) and remains as a highly successful solution due to its effectiveness. Operators benefit through data monitoring, data analysis, visualization tools, reporting capabilities and remote-control functions via RPM Grid & smartphone app for instant control amongst other features. With the DRC-001, managing complex medium-voltage distribution grids & better asset protection is now easier & more effective. The DRC-001 has enabled higher energy reliability for consumers & lower OPEX/CAPEX costs for electric utility operators & our customers.

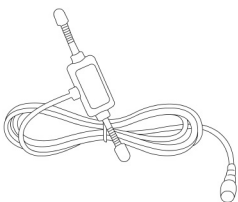
II. Accessory



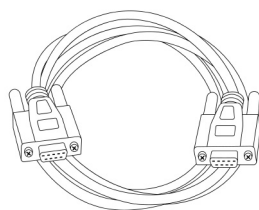
DRC-001 Controller
(1pc)



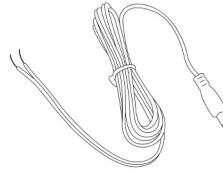
Controller Support
(1pc)



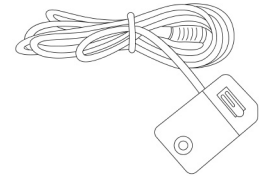
GSM Antenna
(1pc)



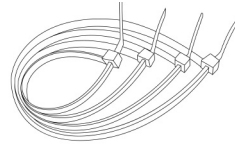
Serial Cable
(Male to Female)
(1pc)



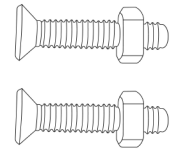
DC Power Cable
(1pc)



Limit Switch
(220V CB Trip Sensor)
(1pc)



Cable Tie (6pcs)



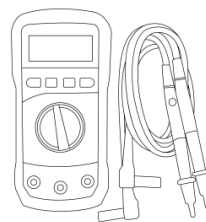
Screw + Nut
(M4*15cm) (2pcs)



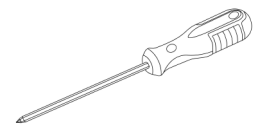
CB Screw Support
(1pc)

III. Installation Procedure

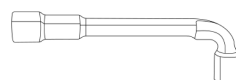
Tools Support



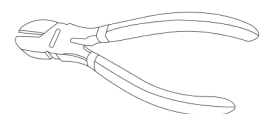
Multimeter



Screwdriver PH2



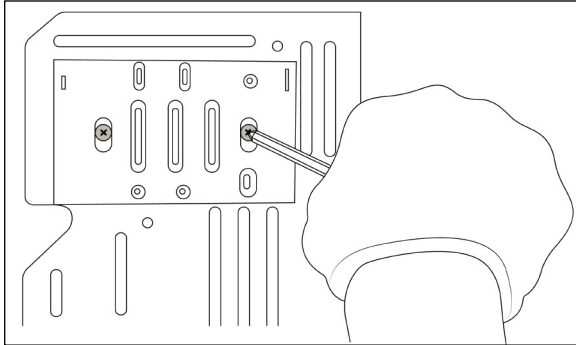
L Type Wrench
8mm



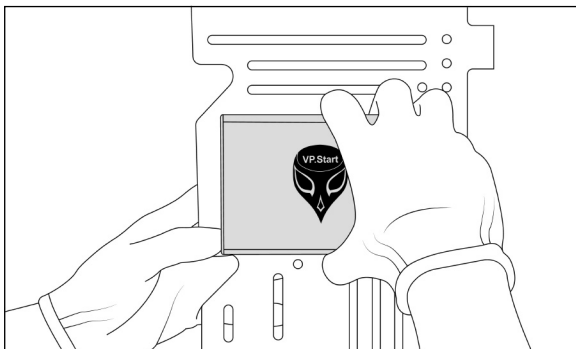
Diagonal Cutting
Pliers

📍 Controller Installation Process

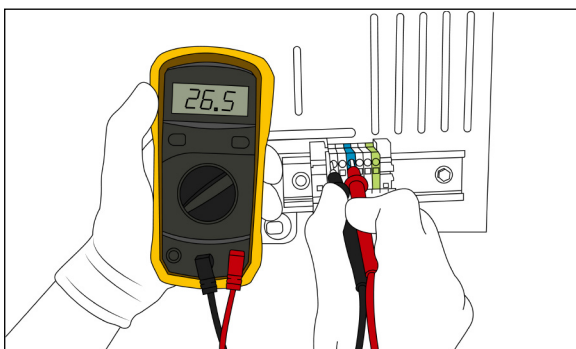
- 01 Mount the controller's mounting support panel onto ADVC's support panel.



- 02 Mount the DRC-001 controller onto the controller's mounting support panel.



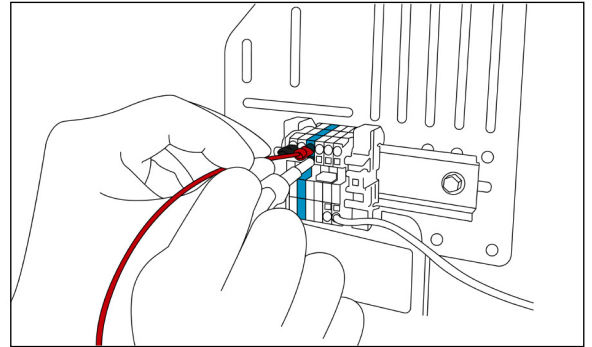
- 03 Check the voltage level through the (+) battery pin and ground (GND) at the ADVC DC supply connector with the multimeter shown (Handheld).



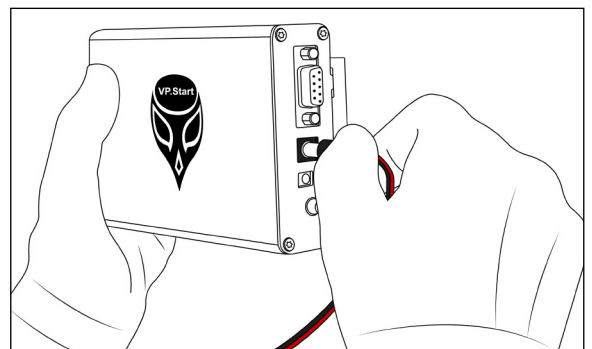
⚠️ NOTE

- 📍 A suitable voltage range of 12VDC to 29VDC is recommended.

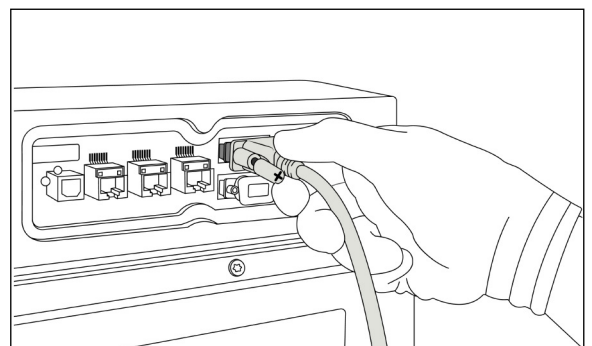
- 04 Connect DC Power Cable by the Red Cable to Battery (+) and Black Cable to Ground (GND).



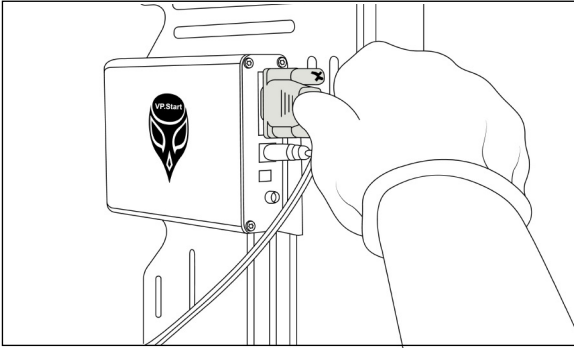
- 05 Then connect the DC power jack to the DC 24V port on the DRC-001 controller as shown.



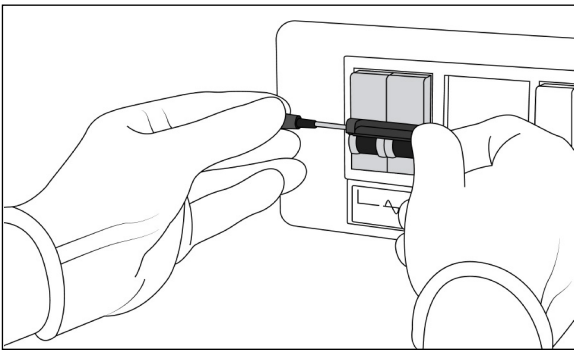
- 06 Connect Serial Cable (Female) to RS232 Port A on ADVC Controller.



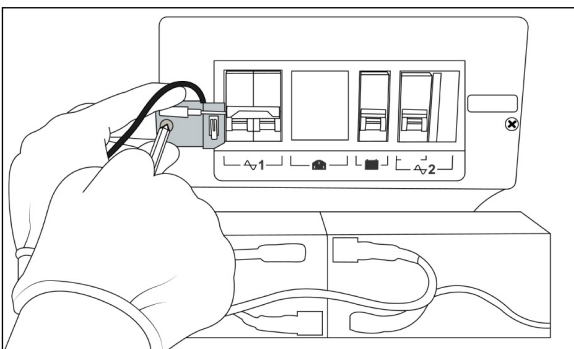
- 07** Connect Serial Cable (Male) to RS232 on DRC-001 Controller.



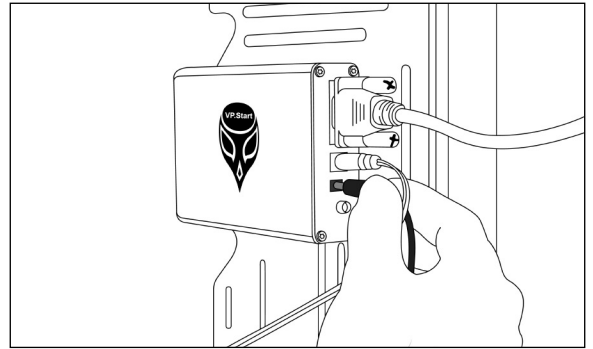
- 08** Connect CB Screw Support with AC220V Circuit Breaker (CB).



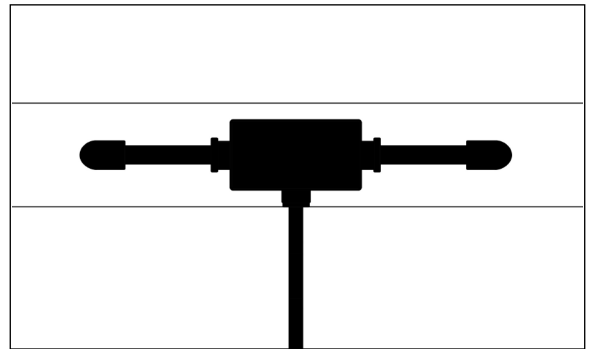
- 09** Mount Limit Switch (220V CB trip sensor) close by right side of CB.



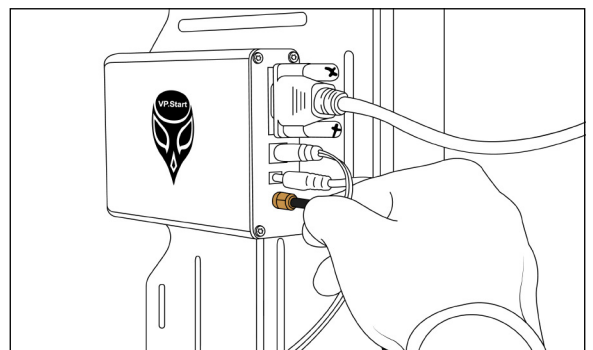
- 10** Then connect the limit switch cable to the SW port on the DRC-001 controller.



- 11** Install GSM Antenna to the appropriate area on site.



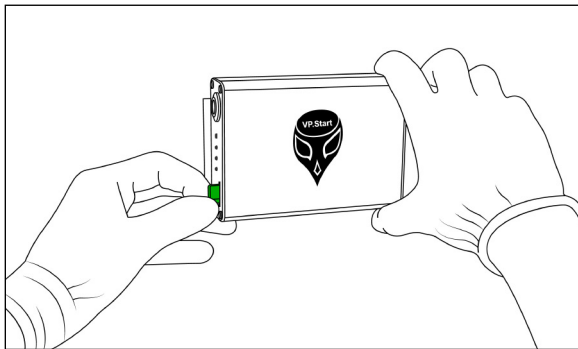
- 12** Then connect GSM antenna cable to the ANT port on the DRC-001 controller.



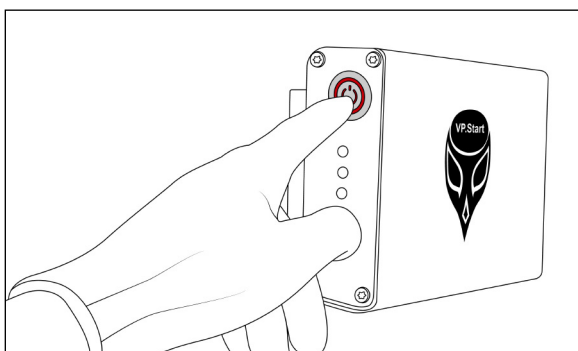
NOTE

- 📍 Keep an appropriate and safe spot to ensure adequate signal strength.

13 Insert micro SIM into SIM Slot on DRC-001.



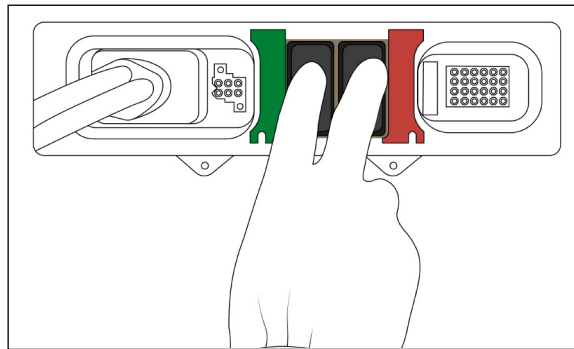
14 To startup the DRC-001, push the power button.



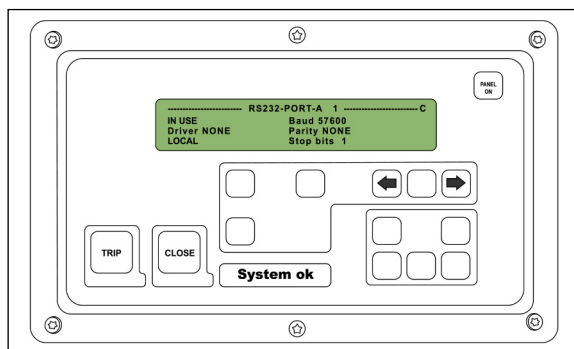
NOTE

- 📍 The DRC-001 is running normally if the running LED is blinking every 1s.
- 📍 The GSM connection is Good if Net LED flashing every 3s.
- 📍 The GSM Module is Okay if GSM LED is ON.

15 Enable TRIP CIRCUIT Switch and CLOSE CIRCUIT Switch.



16 RS232-PORT-A Configure: LOCAL mode
 > COMMUNICATION SETUP
 > Configure Ports
 > RS232-PORT-A
 > Mode LOCAL



17 OPERATOR SETTING: LOCAL CONTROL ON
 > COMMUNICATION SETUP
 > OPERATOR SETTINGS 1
 > LOCAL CONTROL ON

