DRC-018

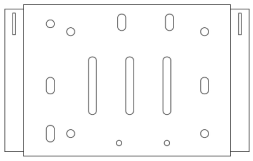
Installation Instruction

I. Introduction

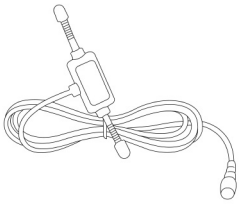
The DRC-018 is a smart controller that was developed for the Schneider Automatic Sectionalizer. It is most effectively used for remote control, monitoring, alarm information, and various measurement readings of the 22kV/35kV medium voltage distribution networks. Operators can increase their ability to maintain a stable power supply and be able to monitor their distribution network through the Smartphone App or RPM Grid application that works with the DRC-018 by using the secure GSM/GPRS communication network. The DRC-018 provides capabilities to reduce long-term power outages and provide distribution network data to operators for further network modification and development plans that will respond to growing business revenue and beyond by decreasing OPEX and CAPEX. The availability of the DRC-018 remote control system also increases safety and allows for faster operation.

II. Accessory

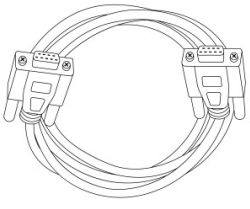
DRC-018 Controller (1pc)



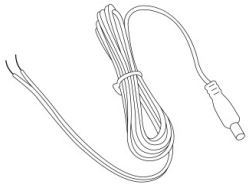
Controller Support (1pc)



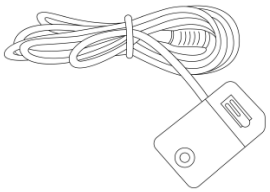
GSM Antenna (1pc)



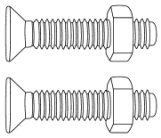
Serial Cable (Male to Female) (1pc)



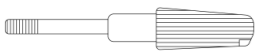
DC Power Cable (1pc)



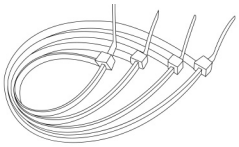
Limit Switch (220V CB Trip Sensor) (1pc)



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



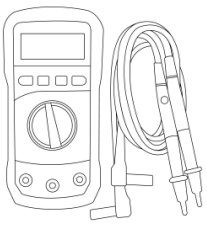
CB Screw Support (1pc)



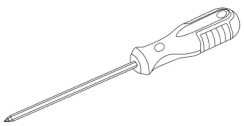
Cable Tie (6pcs)

III. Installation Procedure

Tools Support

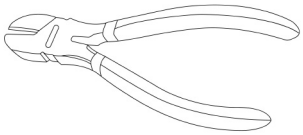


Multimeter



Screwdriver PH2

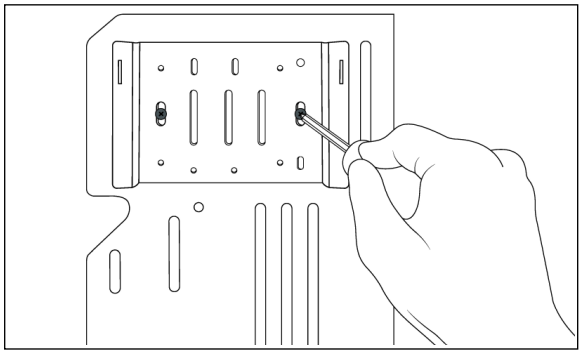
L Type Wrench 8mm



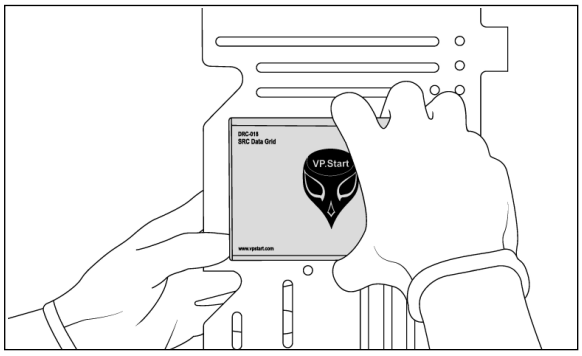
Diagonal Cutting Pliers

Controller Installation Process

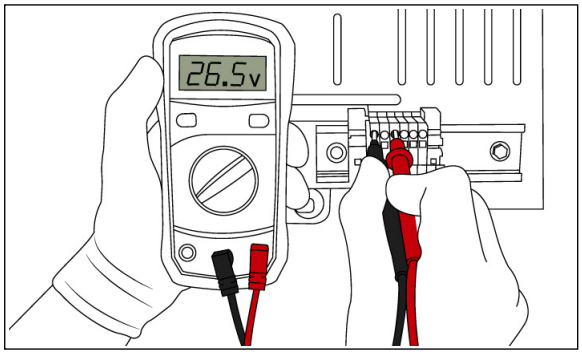
01 Mount the controller's mounting support panel onto ADVC's support panel.



02 Mount the DRC-018 controller onto the controller's mounting support panel.



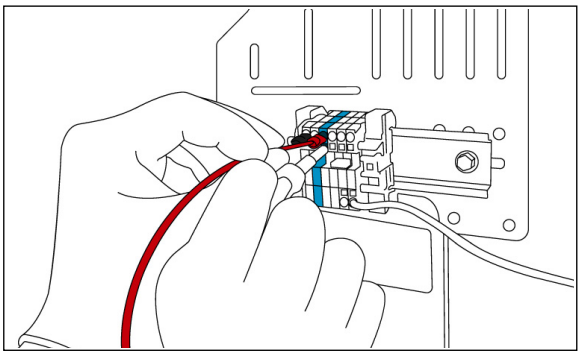
03 Check the voltage level through the (+) battery pin and ground (GND) at the ADVC DC supply connector with the multimeter shown (Handheld).



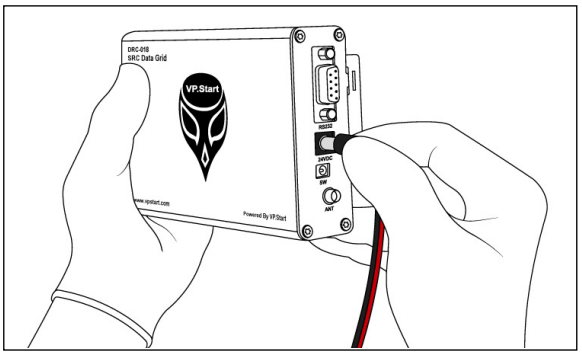
⚠ NOTE

- The suitable voltage shall be 12VDC to 29VDC.

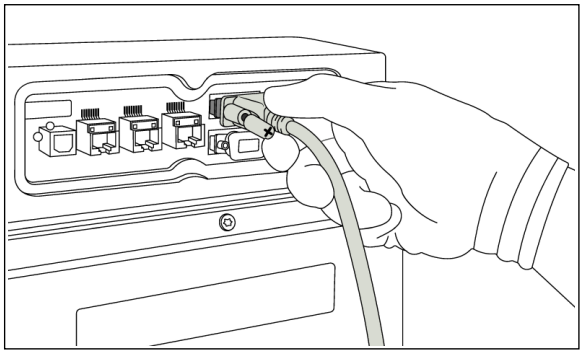
04 Connect DC Power Cable by the Red Cable to Battery (+) and Black Cable to Ground (GND).



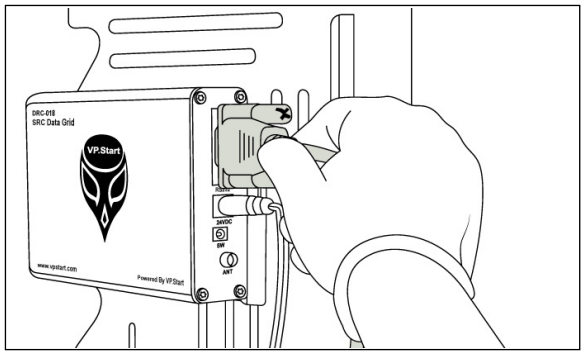
05 Then Connect the DC power jack to the DC 24V port on the DRC-018 controller as shown.



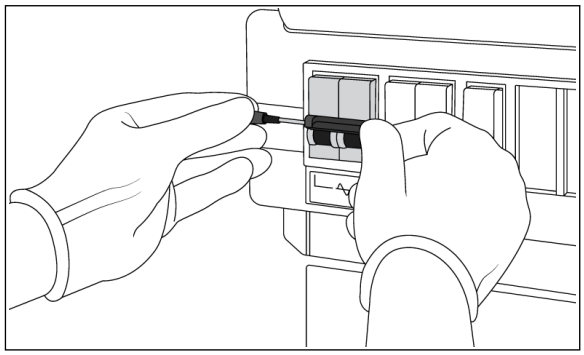
06 Connect Serial Cable (Female) to RS232 Port A on ADVC Controller.



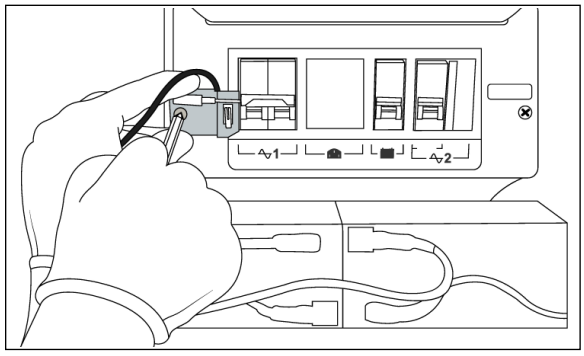
07 Connect Serial Cable (Male) to RS232 on DRC-018 Controller.



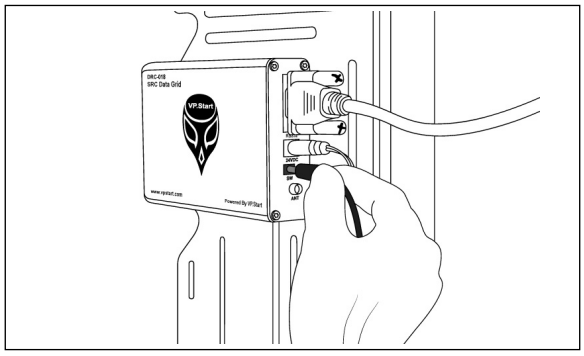
08 Connect “CB Screw Support” with 220VAC Circuit Breaker (CB).



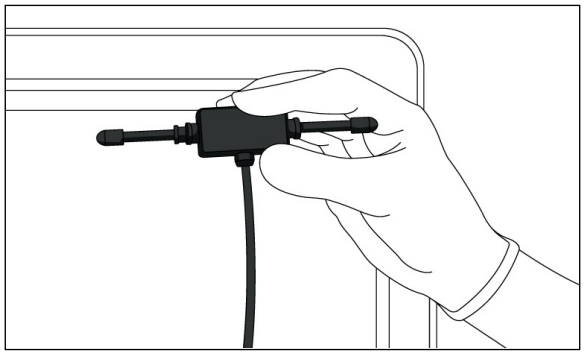
09 Mount Limit Switch (220VAC CB trip sensor) close by left side of CB.



10 Then connect the limit switch cable to the SW port on the DRC-018 controller.



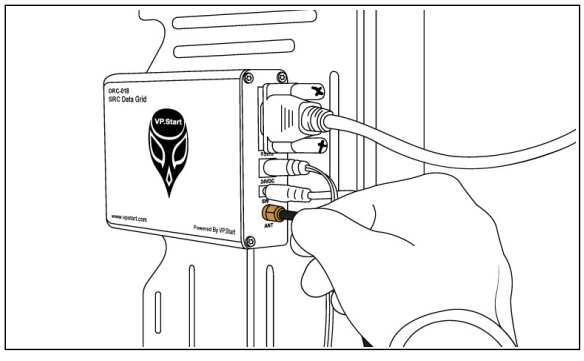
11 Install GSM Antenna to an appropriate area on site.



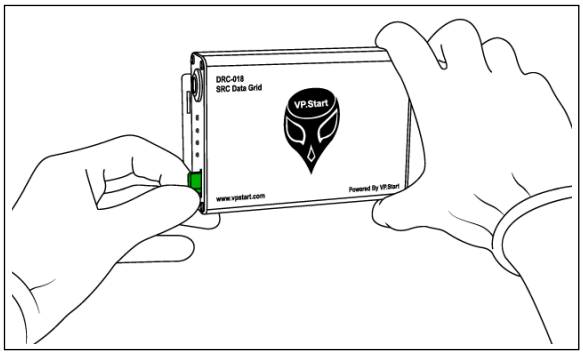
⚠ NOTE

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

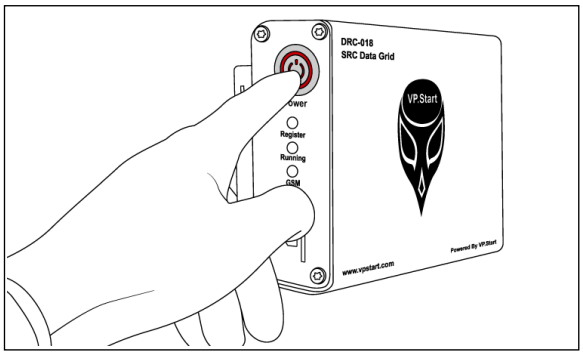
12 Then connect GSM antenna cable to the ANT port on the DRC-018 controller.



13 Insert micro SIM into SIM Slot on DRC-018.



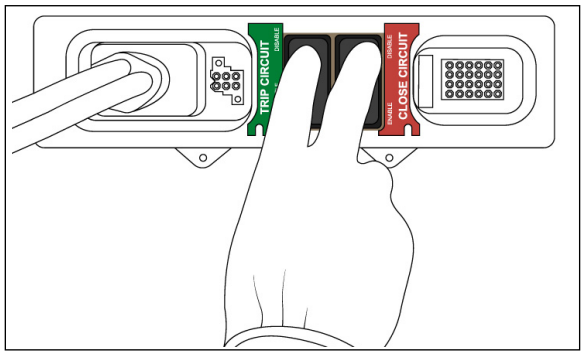
14 To start up the DRC-018, push the power button.



⚠ NOTE

- The DRC-018 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.



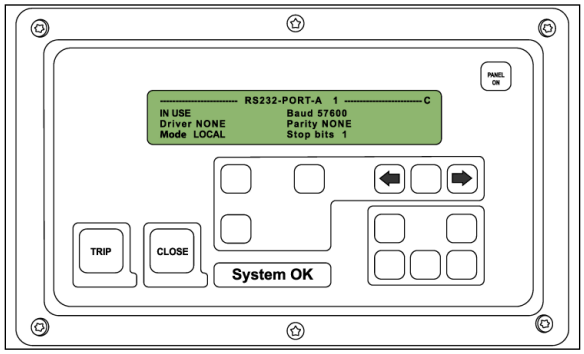
16 RS232-PORT-A Configure: LOCAL mode

> COMMUNICATION SETUP

> Configure Ports

> RS232-PORT-A

> Mode LOCAL

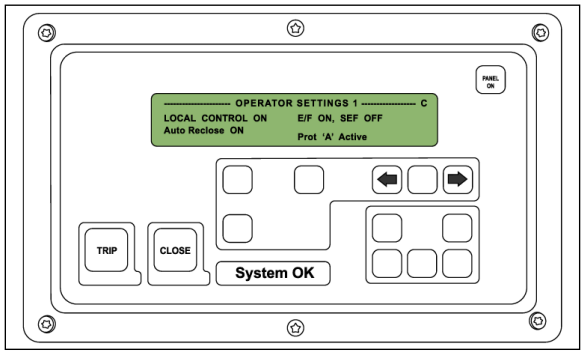


17 OPERATOR SETTING: LOCAL CONTROL ON

> COMMUNICATION SETUP

> OPERATOR SETTINGS 1

> LOCAL CONTROL ON



sale@vpstart.com | info@vpstart.com (+855) 23 888 167 | (+855) 86 666 677