

## Installation Checklist

Use this checklist to confirm that all required installation steps have been completed and approved.

1.  IntelliRupter® fault interrupter is installed on the pole with two through-bolts, four lag screws in the mounting bracket corners, and lifting brackets have been folded down into the storage position. (Refer to S&C Instruction Sheet 766-510, pages 10 and 11.)
2.  IntelliRupter fault interrupter serial number recorded.
3.  Base is solidly grounded with #2cu or 2 #6cu minimum or to utility grounding practice. (Refer to S&C Instruction Sheet 766-510, page 11.)
4.  Surge arresters on the load side and source side of the base are securely connected. (Refer to S&C Instruction Sheet 766-510, page 11.)
5.  Wildlife protection is securely installed. (Refer to S&C Instruction Sheet 766-510, page 12.)
6.  External disconnects are installed to standard utility practice.
7.  Battery is installed. (Refer to S&C Instruction Sheet 766-510, page 13.)
8.  There are multiple comm options, option functions installed correctly. Radio model, serial number, MAC and IP addresses recorded. (Refer to S&C Instruction Sheet 766-510, page 13.)
9.  Antenna installed correctly. Location and model number recorded. (Refer to S&C Instruction Sheet 766-510, page 15.)
10.  Fiber-optic cable connected. (Refer to S&C Instruction Sheet 766-510, page 17.)
11.  Power supply connected, one or two integrated power modules, or external power supply. (Refer to S&C Instruction Sheet 766-510, page 17.)
12.  If one integrated power module is installed, it is installed on the normal source side of the IntelliRupter fault interrupter.
13.  Correct OPEN/CLOSE indicator colors have been installed.
14.  Wi-Fi communication tested successfully. (Refer to S&C Instruction Sheet 766-510, page 18.)
15.  Wi-Fi firmware revision recorded.
16.  IntelliLink® Setup Software launches and connects to the IntelliRupter fault interrupter. (Refer to S&C Instruction Sheet 766-571, page 37.)
17.  IntelliRupter fault interrupter software revision recorded. (Refer to S&C Instruction Sheet 766-530, page 28.)
18.  Protection settings are configured, validated, and applied. (Refer to S&C Instruction Sheet 766-530, page 34.)
19.  Site-related settings are correct (Direction 1/Direction 2, Pole Labels, System Voltage, etc.).
20.  Control power diagnostics: ac power is on, the capacitor voltages are good (around 420 V main and secondary), battery voltage is good, other voltages are good. (Refer to S&C Instruction Sheet 766-550, page 23.)



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21.  No alarms, warnings, or errors displayed. Errors cleared if present. A device restart should clear all errors. (Refer to S&C Instruction Sheet 766-540, page 18.)
22.  Setup>Time tab: GPS shows the correct time. (Refer to S&C Instruction Sheet 766-530, page 26.)
23.  IntelliRupter fault interrupter can be opened and closed with a Wi-Fi command. (Refer to S&C Instruction Sheet 766-540, page 19.)
24.  With the IntelliRupter fault interrupter in Locked Open mode, external disconnect operated manually. The *Operation* screen correctly displays the external disconnect position. (Refer to S&C Instruction Sheet 766-540, page 18.)
25.  IntelliRupter fault interrupter can use PulseClosing® Technology (reclose) with the Wi-Fi diagnostic test. (Refer to S&C Instruction Sheet 766-550, page 37.)
26.  HOT LINE TAG lever turns on the HLT flash sequence on the STATUS indicator light (flashes for ½ second every two seconds). The *Operation* screen displays \*\*\*Hot Line Tag set by Lever\*\*\*.
27.  Hot Line Tag can be set and removed by an IntelliLink software command, and the STATUS indicator light flashes correctly. (Refer to S&C Instruction Sheet 766-540, page 20.)
28.  SCADA command can set and remove the Hot Line Tag, and the STATUS indicator light flashes correctly.
29.  Manual HOT LINE TAG lever command removes the Hot Line Tag set by an IntelliLink software command. (Refer to S&C Instruction Sheet 766-510, page 20.)
30.  IntelliLink software command sets the Ground Trip Block, and the STATUS indicator light flashes correctly (on 10 seconds then flashes for ½ second every 30 seconds).
31.  Manually apply Ground Trip Block. The *Operation* screen correctly displays \*\*\*Ground Trip Block\*\*\*. The manually set Ground Trip Block cannot be removed by an IntelliLink software command.
32.  IntelliRupter fault interrupter has been bypassed on the circuit, and the IntelliRupter fault interrupter is manually opened. (Refer to S&C Instruction Sheet 766-510, page 19.)
33.  OPEN/CLOSE/READY lever closes IntelliRupter fault interrupter with one pull. The time delay is correct. The IntelliRupter fault interrupter will use PulseClosing Technology, if configured.
34.  If closing into a dead line with a load side IntelliRupter fault interrupter, a pulse test is performed.
35.  Two pulls on the CLOSE lever triggers the Second Closing Profile. The time delay is correct. A hard close occurs.
36.  When Wi-Fi is connected, the STATUS indicator continually transitions from dim to bright.
37.  When Wi-Fi is disconnected, the STATUS indicator stays on 10 seconds and then flashes for ½ second every 30 seconds.
38.  When Wi-Fi is not connected, the STATUS indicator flashes for ½ second every 30 seconds.
39.  If Loop Restoration mode is on or the IntelliTeam® II or IntelliTeam® SG Automatic Restoration System is in Ready mode, the STATUS indicator flashes three times (½ second on, ½ second off) every 30 seconds.
40.  If Wi-Fi is disconnected and the OPEN/CLOSE/READY lever is moved, the STATUS indicator stays on for 10 seconds and then flashes for ½ second every 30 seconds.

- 41.  If Wi-Fi is disconnected and the GROUND TRIP BLOCK lever is moved, the STATUS indicator stays on for 10 seconds and then flashes for ½ second every 30 seconds.
- 42.  VM snapshot file downloaded.
- 43.  IntelliRupter fault interrupter is powered.
- 44.  IntelliRupter fault interrupter is online.
- 45.  When leaving the site, the integral disconnect is closed.
- 46.  When leaving the site, the external bypass switch, if installed, is open.