

Intelli-Arc® Diagnostic Tool Quick Start Guide

Revision 1.1

3D interactive instructions powered by the BILT app
<https://biltapp.link/kZ46>



Complete User Manual and Mobile App Instructions
[Consult the User Manual for all installation and safety instructions.](https://usa.siemens.com/Intelli-Arc-manual)
usa.siemens.com/Intelli-Arc-manual



Product Website

All Intelli-Arc resources can be found here:
usa.siemens.com/Intelli-Arc



DANGER

Hazardous Voltage. Will cause death or serious injury.

Turn off power before working on this equipment.

Users of this device must read, understand, and follow all warnings, cautions, safety information, and instructions in the user manual and on the product before operating this device.

This product must only be used by a Qualified Person. A Qualified Person is defined as someone who has demonstrated skills and knowledge related to the construction and operation of electrical equipment and installations and has received safety training to identify and reduce electrical hazards. This means they have experience, knowledge, and safety training, and importantly, they understand their limitations and when they need further training.

The battery and fuse must only be replaced after the Intelli-Arc has been disconnected from all circuits and no live voltage is present.

Do not use if device appears damaged in any way.

Intelli-Arc® Symbol Legend

Symbol	Description
	Off for a part of equipment. For the battery switch, this indicates the position which disables battery power.
	On for a part of equipment. This symbol is used near the battery switch to indicate the position which enables battery power.
A	The A circuit is in the active position (CAT II).
B	The B circuit is in the active position (CAT III).
	Caution, Possibility of Danger. Hazardous Voltage. Will cause death or serious injury. Only to be used according to instructions.
	Bluetooth LED indicator
	User replaceable fuse
	Battery Compartment for Type IEC 6LR61 / ANSI 1604A, 9V, 0.5Ah Alkaline Battery
	Logging button for recording signals
	Caution, Risk of Electric Shock
	Device Power LED indicator
	Battery Compartment Screw Location
	Fuse Compartment Screw Location
	Battery Compartment Latch Location
	Equipment protected throughout by Double Insulation
	Danger, Hazardous Voltage. Will cause death or serious injury.

Intelli-Arc® Feature Legend



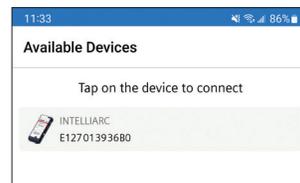
Device Item	Description	Device Item	Description
1	Power Inlet (CAT II)	11	Power LED
2	Load Receptacle (CAT II)	12	Bluetooth LED
3	Banana Jack, Load Hot (CAT III)	13	Lanyard Slot
4	Banana Jack, Load Neutral (CAT III)	14	Battery Compartment
5	Banana Jack, Line Hot (CAT III)	15	Battery Usage Switch
6	Banana Jack, Line Neutral (CAT III)	16	Battery Compartment Latch
7	Rocker Switch (Hot)	17	Battery Compartment Screw
8	Rocker Switch (Neutral)	18	Back Label
9	Logging Button	19	Front Label
10	Device Fuse Compartment	20	Fuse Compartment Screws

Mobile App – Installation and Connection to Intelli-Arc®, Pairing Code

1. Download the Siemens Intelli-Arc app:

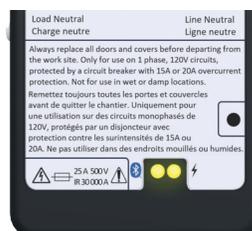


2. Register: New users must first complete the user registration page.



3. Connect: iPhone users: Enter pairing code **258456**.

4. Once paired, LED will stop blinking and remain solid to indicate pairing is complete.



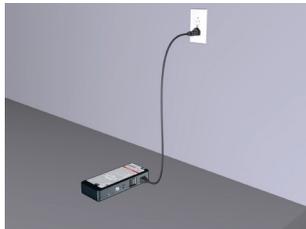
Receptacle Mode – Connection

The main safety disconnection of the product is the provided cables. In CAT II mode, disconnection of power cord will safely disconnect power from the Intelli-Arc.

- Switch both the line and load side rocker switches on the Intelli-Arc to the B position.



- Plug the Intelli-Arc into the receptacle. It is recommended that the Intelli-Arc be connected near the circuit-breaker, should any condition arise where the branch circuit must be de-energized.



Monitor RF Arc noise on circuit



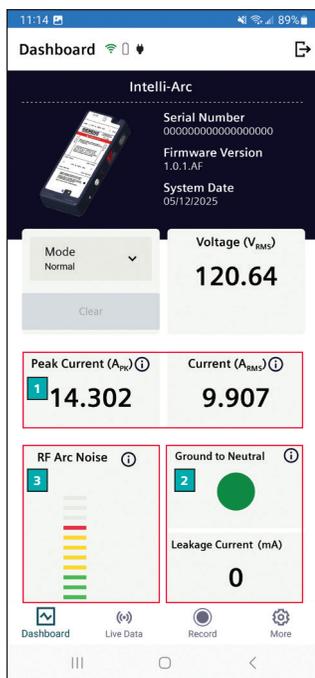
Monitor individual load

- Power on the unit by moving rocker switches to the A position.



- Begin testing using the mobile app.

Mobile App – Dashboard



- 1** Overcurrent Fault
Use Peak and RMS Current to determine if load(s) are causing the circuit to trip on an overcurrent fault.
- 2** Ground Fault
Use this mode to identify any miswiring (Ground-to-Neutral) or other issues related to ground faults (leakage current).
- 3** Arc Fault
Use the RF Arc Noise meter (or Live Data tab) to identify loads or circuits causing arc fault trips.



⚠ DANGER

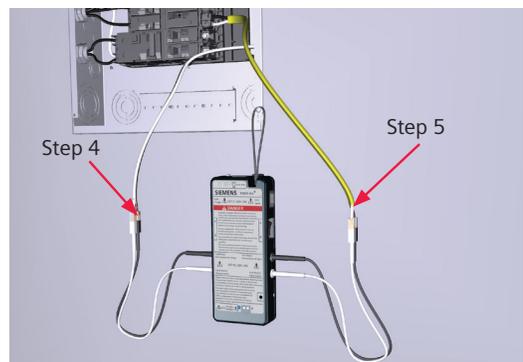
Hazardous Voltage.
Will cause death or serious injury.
Turn off power before working on this equipment.

The Intelli-Arc is only for temporary use. It is not designed for permanent installation and must not be left unattended.
The provided cables may only be used with the Siemens Intelli-Arc, model IDT6000. Use with other products may be hazardous.

Branch Circuit Mode – Connection

The main safety disconnection of the product is the provided cables. In CAT III mode, disconnection of the banana plug cords will safely disconnect power from the Intelli-Arc.

- Turn off the Main Breaker to safely connect the Intelli-Arc base unit.
- Switch both the line and load side rockers switches on the Intelli-Arc to the A position.
- Disconnect the (homerun) Hot and Neutral Load wires from the breaker experiencing tripping.
- Connect the (homerun) wiring to the Load Power and Load Neutral terminals of the Intelli-Arc using the included cables.
- Connect jumper wires (not included) from the breaker to the Line Power and Line Neutral terminals using the included cables. (For Plug on Neutral CAFCI, connect the Line Neutral wire of the Intelli-Arc to the Neutral bus bar inside the load center).
- Move line and load rocker switches to B position.
- Turn the Main Breaker back on to begin testing using the mobile app.
- When Intelli-Arc use is complete, turn off the Main Breaker before disconnecting the Intelli-Arc.



Diagnosing an Arc Fault using the Dashboard

- Install the Intelli-Arc on the desired circuit and connect to the mobile app.
- The RF Arc Noise meter on the Dashboard page will help to determine root causes of tripping due to arc faults.

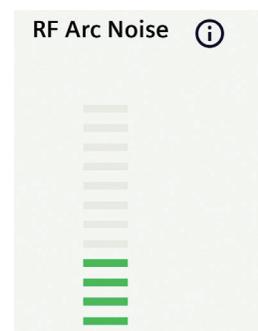
Note:

Use the Live Data or Record tab for complex troubleshooting. A circuit with a high level of RF Arc Noise will likely cause a trip, and this noise may couple onto other circuits in the same load center. (see User Manual for more details)

- To isolate the issue, turn off or unplug loads until the bar graph indicator is green.



Dashboard Tab:
High RF Arc Noise



Dashboard Tab:
Low RF Arc Noise

Legal Manufacturer
Siemens Industry, Inc.
3617 Parkway Ln
Peachtree Corners, GA 30092
United States of America
Telephone: +1 (800) 333-7421
www.usa.siemens.com/intelli-arc
Order No. RPQR-INTELL-0625
© 06.2025, Siemens Industry, Inc.

This document contains a general description of available technical options only, and its effectiveness will be subject to specific variables including field conditions and project parameters. Siemens does not make representations, warranties, or assurances as to the accuracy or completeness of the content contained herein. Siemens reserves the right to modify the technology and product specifications in its sole discretion without advance notice.