

Schneider Electric Security Notification

PowerLogic P5

11 June 2024 (10 September 2024)

Overview

Schneider Electric is aware of a vulnerability in its PowerLogic P5 products.

The [PowerLogic P5](#) is a medium voltage protection relay.

Failure to apply the mitigations provided below may risk denial of service, device reboot, or an attacker gaining full control of the relay. This could result in loss of protection to your electrical network. *Physical access to the device is required to exploit this issue.*

September 2024: Remediation for PowerLogic P5 is now available.

Affected Products and Versions

Product	Version
PowerLogic P5	v01.500.104 and prior

Vulnerability Details

CVE ID: **CVE-2024-5559**

CVSS v3.1 Base Score 6.1 | Medium | CVSS:3.1/AV:P/AC:L/PR:N/UI:N/S:U/C:N/I:H/A:H

CWE-327: Use of a Broken or Risky Cryptographic Algorithm vulnerability exists that could cause denial of service, device reboot, or an attacker gaining full control of the relay when a specially crafted reset token is entered into the front panel of the device.

Note regarding vulnerability details: The severity of vulnerabilities was calculated using the CVSS Base metrics in version 3.1 ([CVSS v3.1](#)) without incorporating the Temporal and Environmental metrics. Schneider Electric recommends that customers score the CVSS Environmental metrics, which are specific to end-user organizations, and consider factors such as the presence of mitigations in that environment. Environmental metrics may refine the relative severity posed by the vulnerabilities described in this document within a customer's environment.

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Remediation

Affected Product & Version	Remediation
PowerLogic P5 <i>v01.500.104 and prior</i>	PowerLogic P5 Wave 4.2.3 P5L30 firmware includes a fix for this vulnerability. Contact Schneider Electric's Customer Care Center to download this firmware.

Customers should use appropriate patching methodologies when applying these patches to their systems. We strongly recommend the use of back-ups and evaluating the impact of these patches in a Test and Development environment or on an offline infrastructure. Contact Schneider Electric's [Customer Care Center](#) if you need assistance removing a patch.

General Security Recommendations

We strongly recommend the following industry cybersecurity best practices.

- Locate control and safety system networks and remote devices behind firewalls and isolate them from the business network.
- Install physical controls so no unauthorized personnel can access your industrial control and safety systems, components, peripheral equipment, and networks.
- Place all controllers in locked cabinets and never leave them in the "Program" mode.
- Never connect programming software to any network other than the network intended for that device.
- Scan all methods of mobile data exchange with the isolated network such as CDs, USB drives, etc. before use in the terminals or any node connected to these networks.
- Never allow mobile devices that have connected to any other network besides the intended network to connect to the safety or control networks without proper sanitation.
- Minimize network exposure for all control system devices and systems and ensure that they are not accessible from the Internet.
- When remote access is required, use secure methods, such as Virtual Private Networks (VPNs). Recognize that VPNs may have vulnerabilities and should be updated to the most current version available. Also, understand that VPNs are only as secure as the connected devices.

For more information refer to the Schneider Electric [Recommended Cybersecurity Best Practices](#) document.

For More Information

This document provides an overview of the identified vulnerability or vulnerabilities and actions required to mitigate. For more details and assistance on how to protect your installation, contact

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your local Schneider Electric representative or Schneider Electric Industrial Cybersecurity Services: <https://www.se.com/ww/en/work/solutions/cybersecurity/>. These organizations will be fully aware of this situation and can support you through the process.

For further information related to cybersecurity in Schneider Electric's products, visit the company's cybersecurity support portal page:

<https://www.se.com/ww/en/work/support/cybersecurity/overview.jsp>

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About Schneider Electric

Schneider's purpose is to empower all to make the most of our energy and resources, bridging progress and sustainability for all. We call this Life Is On.

Our mission is to be your digital partner for Sustainability and Efficiency.

We drive digital transformation by integrating world-leading process and energy technologies, end-point to cloud connecting products, controls, software and services, across the entire lifecycle, enabling integrated company management, for homes, buildings, data centers, infrastructure and industries.

We are the most local of global companies. We are advocates of open standards and partnership ecosystems that are passionate about our shared Meaningful Purpose, Inclusive and Empowered values.

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Revision Control:

Version 1.0.0 <i>11 June 2024</i>	Original Release
Version 1.1.0 <i>11 June 2024</i>	PowerLogic P5 patch was retracted, and customers should deploy the mitigations provided below. Also, there was an update to the affected product version.
Version 1.2.0 <i>10 September 2024</i>	Remediation for the PowerLogic P5 is now available.