

Schneider Electric Security Notification

Easergy P3

11 January 2022

Overview

Schneider Electric is aware of a vulnerability in its Easergy P3 products.

The [Easergy P3](#) is a medium voltage protection relay.

Failure to apply the mitigations or remediations provided below could lead to communications loss, device reboot, or at attacker gaining full control of the relay. This could result in loss of protection to your electrical network.

Affected Products and Versions

Product	Version
Easergy P3	All versions prior to V30.205

Vulnerability Details

CVE ID: **CVE-2022-22725**

CVSS v3.1 Base Score 8.8 | High | CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

A *CWE-120: Buffer Copy without Checking Size of Input* vulnerability exists that could lead to a buffer overflow causing program crashes and arbitrary code execution when specially crafted packets are sent to the device over the network. Protection functions and tripping function via GOOSE can be impacted.

Remediation

Version 30.205 of the Easergy P3 firmware includes a fix for this vulnerability and is available on request from Schneider Electric's [Customer Care Center](#).

If customers choose not to apply the remediation provided above, they should immediately apply the following mitigation to reduce the risk of exploit:

Disable the GOOSE service of the product to reduce the risk of exposure. If GOOSE is needed for the application use it only in a secure local area network.

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.

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- 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 for the devices that it is intended for.
- 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.

Acknowledgements

Schneider Electric recognizes the following researchers for identifying and helping to coordinate a response to this vulnerability:

CVE	Researchers
CVE-2022-22725	Timothée Chauvin, Paul Noalhyt, Yuanshe Wu at Red Balloon Security

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 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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We provide **energy and automation digital** solutions for **efficiency and sustainability**. We combine world-leading energy technologies, real-time automation, software and services into integrated solutions for Homes, Buildings, Data Centers, Infrastructure and Industries.

We are committed to unleash the infinite possibilities of an **open, global, innovative community** that is passionate with our **Meaningful Purpose, Inclusive and Empowered** values.

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Revision Control:

Version 1.0 11 January 2022	Original Release
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