

Overall rating: Critical



This is a technical bulletin intended for technical audiences.

Summary

The Vulnerability and Risk Management (VRM) Team has been made aware of a Unitronics programmable logic controllers' vulnerability. Unitronics Vision Series PLCs and HMIs use default administrative passwords. The vulnerability affects Unitronics VisiLogic versions prior to 9.9.00.

Technical Details

Cyber threat actors are targeting Unitronics programmable logic controllers (PLCs) used in the Water and Wastewater Systems (WWS) Sector, including an identified Unitronics PLC, at a U.S. water facility. In response, the affected municipality's water authority immediately took the system offline and switched to manual operations—there is no known risk to the municipality's drinking water or water supply.

Unitronics Vision Series PLCs and HMIs use default administrative passwords. An unauthenticated attacker with network access to a PLC or HMI can take administrative control of the system. Unitronics has patched this vulnerability in VisiLogic version 9.9.00 and recommends all users update to the latest version. For users who cannot update to the latest version, change all default passwords on PLCs and HMIs and use a strong password. Ensure the Unitronics PLC default password "1111" is not in use. Additionally, require multifactor authentications for all remote access to the OT network, including from the IT network and external networks. Finally, disconnect the PLC from the open internet. If remote access is necessary, control network access to the PLC.

Exploitability Metrics

Attack Vector: Network
Attack Complexity: Low
Privileges Required: None
User Interaction: None

This vulnerability is rated as a **CRITICAL** risk. A software update exists to address this risk.

Action Required

- Locate the device or application and investigate.
- Notify business owner(s).

- Perform mitigating actions, as required.

Please notify [VRM](#) with any questions or concerns you may have.

References

- [CVE-2023-6448](#)
- [ICSA-23-348-15 Unitronics Vision Series](#)
- [Exploitation of Unitronics PLCs used in Water and Wastewater Systems](#)
- [VRM Vulnerability Reports](#)