CHUBB®



BREAKING ALERT:

Chubb Vulnerability Alert System - "Targeted Attacks Against Remote Refrigeration System Controllers"

Chubb provides alerts to keep our policyholders informed of risks that may affect their organizations. Chubb has noted multiple compromises of remote controllers for Danfoss AK-SM and AK-SC series refrigeration systems, as well as Copeland XWEB and Dixell XWEB systems. Other internet-facing refrigeration systems may also be affected.

Chubb recommends the following best practices to reduce the likelihood of falling victim to targeted attacks:

- **Identify exposed controllers:** Inventory Danfoss AK-SM/AK-SC, Copeland/Dixell XWEB and other refrigeration management systems. Identify internet-exposed interfaces, including those on independently managed cellular connections.
- **Remove direct internet access:** Disable **internet**-facing management interfaces and port forwarding. Require secure VPN or equivalent protected access for authorized maintenance providers.
- **Patch or replace vulnerable equipment:** Apply current manufacturer firmware and security updates. Prioritize legacy and end-of-life controllers that cannot be patched.
- **Harden remote access:** Change default/shared credentials, enforce unique accounts and MFA where supported, enable Danfoss Strict security mode, and restrict vendor privileges.
- **Validate configurations and monitor:** Review temperature thresholds, defrost schedules, alarms and configuration-change logs. Establish independent temperature monitoring and a recovery procedure for compromised controllers.
- **If compromised:** In addition to removing internet exposure, restart the affected Danfoss device. Reconfigure the equipment fully before returning it to service. A factory reset alone is insufficient for EOL devices. Without a security patch or network isolation, the device will very likely be re-compromised immediately.
- Additional guidance on Danfoss security advisories can be found here.

Chubb's Cyber Risk Advisory Team is available to answer your questions and help mitigate cyber exposures like the ones described above. To request advisory services, please click here.

For additional information on Chubb's advisories, visit Chubb's cyber threat intelligence website or please contact cyber@chubb.com. You may also use Chubb's interactive tool Chubb Cyber Index® to access additional resources to help evaluate and address cyber risks your business may face.

Learn more about Chubb's Cyber Services.

Chubb's cyber insurance policyholders are monitored using non-intrusive outside web scanning methods. While these methods vary and are subject to change, the insights generated are typically viewable in cybersecurity rating company reports, such as those provided by BitSight and Security Scorecard, which all Chubb cyber policyholders have complimentary access to review. For more information about vulnerability alerts and our scanning technology or to sign up, click here; or contact Chubb's Cyber Global Risk Advisors at cyber@chubb.com. Chubb makes no representations or warranties around these continuous monitoring efforts, and cannot reasonably alert all policyholders about all observed vulnerabilities. For more thorough service, consider speaking with a Managed Security Service Provider.

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