WOODWARD

MicroNet™ Cybersecurity Update

Product Change / Improvement

The Cybersecurity landscape is changing dramatically for OT (Operational Technology) including turbine control systems. Woodward is updating our Cybersecurity offering for the MicroNet Plus and TMR to better address the current threat environment for Critical Infrastructure and other security-critical applications.

- The MicroNet Security Manual updates address NERC-CIP v6 as well as other standards including NIST SP800 and ISA/IEC 62443.

- In order to assist securing MicroNet-based control systems, Woodward is offering customized versions of third party protection devices.

- Additional protection tools and options will follow.

Description

The updated Security Manual (B26479 rev B) introduces the concepts of Defense in Depth and Threat Modeling for Industrial Control Systems. This manual shows how to set up user levels and secure passwords in MicroNet systems and provides recommendations and guidance on how to meet NERC-CIP (Critical Infrastructure Protection) requirements with MicroNet-based control systems. Although the recommendations are based on the North American NERC standards, the concepts are similar for NIST, IEC/ISA and NRC based standards.

NOTICE	All modern Cybersecurity standards require the use of secure passwords for access to industrial control systems. Legacy 5466-1035 (MicroNet Plus) and 5466-1047 (MicroNet TMR) CPUs do not have Account Management and can only utilize default passwords. To fully comply with the standards, systems with these CPUs should be upgraded to utilize -1145, -1245, -1247, or -1510 CPUs.

HMI and Engineering Workstations represent a significant threat vector for an industrial control system. In order to assist with securing the entire control system, Woodward is now offering third party protection devices pre-configured for plug-and-play connection to the MicroNet systems.

Updated Products

The updated MicroNet Security Manual is **26479 Rev B**.

Pre-Configured Tofino Xenon protection device is **1711-1385**.

Pre-Configured Moxa EDR 810 industrial router is **1711-1293**.

Please read the manual for information on how to utilize these devices.

Customer Action

Please read the updated MicroNet Security Manual. In additional to guidance on securing the MicroNet systems, the manual provides good information on Cybersecurity for Industrial Control Systems.

Woodward recommends that customers evaluate security needs for their Industrial Control System and determine if steps should be taken to improve security.

For additional information and support:

1. Contact your local Woodward representative and/or turbine OEM.

2. Woodward contact and business partner information can be obtained at www.woodward.com.

3. Technical assistance can be obtained by:

    a. Searching for a local contact at www.woodward.com/directory

    b. Call or email the Woodward Turbine Help Desk:

    1-970-498-3095 or TurbineHelpDesk@woodward.com

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