



5009XT TMR Steam Turbine Control Phase II Upgrade

Product Change

The 5009XT (released in 2019) is the newest version of the 5009 Standard Steam Turbine Control. This control is based on the MicroNet TMR hardware combined with the proven “XT” steam control core software utilized in the highly successful 505XT.

The XT version of the 5009 is based on updated 5466-1347 CPUs which have active CANopen ports. The updated 5009XT systems now have enabled use of these ports for driving Woodward LinkNet HT distributed I/O, SPC servo controller, VS2 and VS1 (pending) and DVP valve drivers with digital CANopen signals. This release also adds the option of installing 24/8 HDAIO modules in the TMR chassis. Several feature enhancements have been added as well.

Description

The three standard 5009XT kits below now include this capability:

8262-1141
8262-1142
8262-1143

Additionally, the following new kits have been released:

8928-7599 Optional CAN cable kit for DVP digital valve driver or LinkNet HT distributed control modules.

8928-7577 Optional Analog I/O module FTM and Cable Kit (for installing 24/8 HDAIO module in slot 5 of each kernel)

The previously released 8928-7574 2 Channel Actuator Module, FTM and cable kit is still available.

The hard drive image for the 8269-1073 Touch Panel PC has been updated to match the new configuration.

New software and GUI screen options:

- Idle/Rated Permissive, Load Limiter, Pre-Start Warm-Up, Full Chassis I/O options, VariStroke Options, Distributed I/O options.
- See Rev. C release notes for 5418-7830 GAP Application for full list of changes and enhancements.

Customer Action

All 5009XT systems built after March 30, 2021 will include these updates in the software pre-loaded onto the CPU modules.

If you wish to update an existing 5009XT with these features, please contact your Woodward distributor or Woodward for the proper software files to perform a field upgrade.

If you have an older 5009 or 5009XT, the system can be updated to 5009XT however more significant change are required. Please contact your Woodward distributor or Woodward for assistance.

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