

5009FT System Update

Issue

The 5009FT systems are standardized versions of the MicroNet TMR with factory-installed Woodward Steam Turbine application programming. These systems are available in various configurations depending on the I/O required for a particular turbine installation.

Due to component obsolescence, the HDCombo module (which provided a combination of speed inputs, analog I/O and proportional actuator outputs) has been replaced by an enhanced Combo module. The HD Discrete module has also been updated to a version with improved self-testing and updated memory mapping that match the Woodward Smart-Plus standard. The 2-channel actuator module option will remain available for systems requiring integrating or 200mA proportional actuator control.

Description

The high-density analog combo modules and high-density discrete modules used in the 5009FT have been replaced by updated designs. The HDCombo module (which provided a combination of speed inputs, analog I/O, and proportional actuator outputs) has been replaced by a new Speed/AIO Combo module which provides 4 speed inputs and analog I/O. This module offers improved performance overall, and the analog outputs have readback/open wire detection and high accuracy required for directly operating proportional 4-20mA actuators. For systems with 0-200mA actuators, versions of the 5009FT are available with the 2 Ch. Actuator Module. The new 5009FT versions are updated to the latest MicroNet TMR Coder (5.08) and GAP 3.11. For more details on the module changes, please see the PCNs listed in the table below.

Description	Old Module	Old FTM	New Module	New FTM	PCN #
HD Analog Combo	5466-253	2x 5501-365	5466-1115	5501-502,-372	06933
HD Discrete I/O	5466-1156	4x 5433-276	5466-1051	4x 5433-276	06920
Software	Coder 5.04 / GAP 2.18		Coder 5.08 / GAP 3.11		N/A

Affected Units

The following tables provide the part number interchange between the existing 5009FT systems and 5009FT cabinet assemblies and the updated versions.

New 5009FT Control Numbers:

Old Item Number	New Item Number	MICRONET+ TMR W/120VDC/AC PS	MICRONET+ TMR W/220VAC PS	Actuator Module Option	Compressor Control Option	CCT
8262-1049	8262-1111	X				X
8262-1050	8262-1112	X		X		X
8262-1051	8262-1113	X			X	X
8262-1052	8262-1114	X		X	X	X
8262-1053	8262-1115		X			X
8262-1054	8262-1116		X	X		X
8262-1055	8262-1117		X		X	X
8262-1056	8262-1118		X	X	X	X
8262-1070	8262-1119	X				
8262-1071	8262-1120	X		X		
8262-1072	8262-1121		X			
8262-1073	8262-1122		X	X		

New Cabinet Assembly Numbers for 5009FT:

Old Item Number	New Item Number	New Control P/N	MICRONET+ TMR W/120VDC/AC PS	MICRONET+ TMR W/220VAC PS	Actuator Module Option	Compressor Control Option	CCT
9907-1155	9907-1968	8262-1111	X				X
9907-1156	9907-1969	8262-1112	X		X		X
9907-1157	9907-1970	8262-1113	X			X	X
9907-1158	9907-1971	8262-1114	X		X	X	X
9907-1159	9907-1972	8262-1115		X			X
9907-1160	9907-1973	8262-1116		X	X		X
9907-1161	9907-1974	8262-1117		X		X	X
9907-1162	9907-1975	8262-1118		X	X	X	X

Customer Action

5009FT systems for new installations will be shipped in the configurations shown above. For existing systems, backwards compatible versions of the HD Discrete modules are available. The existing HD Combo module remains available for spare parts. Alternatively, existing systems can be updated to the new configuration.

If expanding or adding on to existing 5009FT installations and it is necessary to keep a common configuration, please contact Woodward for recommendations and support.

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