

LonWorks - Program ID Calculation

Network management tools use the Program ID to identify the different applications running on each device. Two devices on a network may have the same Program ID only if they have identical applications / configurations (same network variables, etc.).

Program ID Calculation

The Program ID for the FieldServer consists of a fixed and a variable field. The underlined part of the following Program ID shows the variable part:

90:00:95:47:1E:02:04:XX

The fixed part does not change for different configuration files or for different LonWorks driver versions. The variable part XX, which is also defined as the Model or Revision number, does however change.

The variable part is calculated at start-up when the configuration is loaded on the FieldServer. Certain critical fields in the configuration file are taken and used to calculate this variable part of the Program ID. Thus if the configuration file changes significantly (critical fields) the Program ID will change. Also, as we add new features and capabilities to the LonWorks driver, this variable part of the Program ID may be different between LonWorks driver versions (even though the configuration file is the same).

It is possible though very unlikely that through a change in LonWorks driver and/or configuration file, the program IDs calculates out identical to another combination of driver and configuration. If this is the case with two FieldServers on the same network that run different configurations, one of these devices may fail to commission properly.

Revisions

0.1	26 mar 02	EKH	Grammar, revision block, questions.
0.2	04 apr 02	TvR	Answers to questions.