

Personal Designer
User Programming Language
(UPL)

Revision 6.0

User Reference Guide

Appendix C

Compiler Limits

Compiler Limits

The following are the limits for the UPL compiler/interpreter:

Maximum of 2,000 symbol names, (variable, functions, procedure, and label names) and/or 8,000 characters in all symbol names. Symbols declared inside procedures and functions are released at the end of each procedure or function.

Maximum of 50 levels of nested **If-Then-Else/Loop blocks**. Elseif clauses are considered on the same level as the closest preceding If.

Maximum of 255 characters in a single string constant.

Maximum of 50 errors detected before compilation is aborted.

Only first 16 characters are significant in variable, procedures, function, and label names. However, the names may be as long as desired.

Maximum of 32,767 characters in one **Display** statement.

Maximum of 50 levels of parentheses nesting in expressions.

Maximum of 32,767 bytes of data for all variable data storage. Additional storage can be accessed using intrinsic procedures **ReadCArray**, **WriteCArray**, etc.

Maximum of 200 characters can be sent to the graphics program per expression in Send statements.

Maximum of 10 UPL definable windows. Other windows have a predefined use in Personal Designer.

See data type declaration statements **Integer**, **Real**, **Coord**, **String**, and **Boolean** for limits of variable and constant values.