

## A. KAREL LANGUAGE ALPHABETICAL DESCRIPTION

This appendix describes, in alphabetical order, each standard KAREL language element, including:

- Data types
- Executable statements and clauses
- Condition handler conditions and actions
- Built-in routines
- Translator directives

A brief example of a typical use of each element is included in each description.

### Note

If, during program execution, any uninitialized variables are encountered as arguments for built-in routines, the program pauses and an error is displayed. Either initialize the variable, `ICL> SET VARIABLE` command, or abort the program, using the `ICL> ABORT` command.

### Conventions

This section describes each standard element of the KAREL language in alphabetical order. Each description includes the following information:

- **Purpose:** Indicates the specific purpose the element serves in the language
- **Syntax:** Describes the proper syntax needed to access the element in KAREL. Table A-1 describes the syntax notation that is used.

**Table A.1. Syntax Notation**

Syntax	Meaning	Example	Result
< >	Enclosed words are optional	AAA <BBB>	AAA AAA BBB

# Controller Karel Reference Manual

**BM King**



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