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## AC10CtrlArr

**A** = Array

**C** = Calculate functions

The ControlArray function scans the values of an array, depending on the type of analysis required. The analysis type is passed as an argument; possible values are shown below in the Type paragraph.

### IMPLEMENTATION

#### AC10CtrlArr (array, tipo, result, done)

Parameters:

IN/OUT	VARIABLE TYPE	EXAMPLE NAME	DIM	
IN	ARRSYS	array	L/S	Arrays for which you want to make a control
IN	GLOBAL	tipo	B	Specifies the analysis type (see "Type" section)
OUT	GLOBAL	result	F	Flag that indicates the result of the analysis.
OUT	GLOBAL	done	F	Flag that indicates that the operation completed

#### Type

tipo = 1 the function sets the result to 1 if at least one of the values in the array is non-zero

tipo = 2 the function sets the result to 1 if all the values in the array are not zero

tipo = 3 the function sets the result to 1 if the majority of the values of the array is non-zero

#### Example

Check the array, when the "gfConfronta" flag is set to 1, to see if all the values in the array are to 0.

```
IF gfConfronta
  gfConfronta = 0
  tipo = 1
  AC10CtrlArr (array, tipo, result, done)
  IF NOT result
    gfTuttiZero = 1
  ENDF
ENDIF
```

#### Note

- The function executes a WAIT a time every 180 milliseconds

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