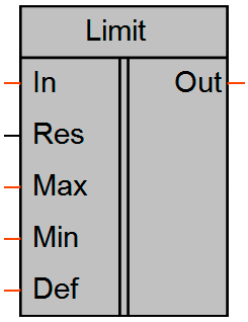
Input value limitation of the integer value

Limit



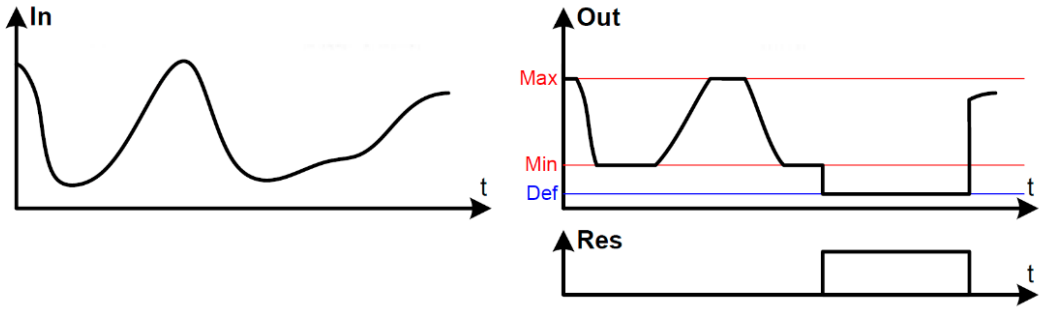
Input	Data type	Description	Area
In	INT	Input value	
Res	BOOL	Setting of the default value	
Max	INT	Upper limit of the range	
Min	INT	Lower limit of the range	
Def	INT	Default value	
Output	**Data type**	**Description**	**Area**
Out	INT	Output value	

Funktion

The macro allows to limit the input value within a given range. The input value is transferred unchanged to the output if it lies within the specified range. If the input value exceeds the preset limit value ("Max" input), the maximum value is transmitted to the output. If the input value is below the minimum ("Min" input), the minimum value is transmitted to the output.

The macro also makes it possible to set the default value at the "Def" input independently of the input signal value if there is a logic unit at the "Res" input.

The time diagram of the unit is shown below.



Devices	PR200, SMI200
Version	1.0
Last modification	06.06.2020