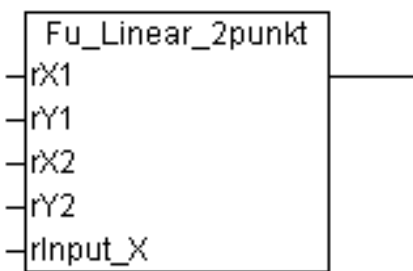


Linear 2 point (characteristic curve)

WAGO-I/O-PRO 32 Library elements		
Category:	Building automation	
Name:	Fu_Linear_2punkt	
Type:	Function <input checked="" type="checkbox"/>	Function block <input type="checkbox"/> Program <input type="checkbox"/>
Library name:	Linear2.lib	
Applicable to:	All programmable fieldbus controllers	
Input parameter:		
Data type:	Comment:	
rX1	REAL	Reference value X for point 1
rY1	REAL	Output value Y at point 1
rX2	REAL	Reference value X for point 2
rY2	REAL	Output value Y at point 2
rInput_X	REAL	Input signal before conversion
Feedback value:		
Data type:	Comment:	
rY	REAL	Converted output signal
Graphical display:		
		
Time referenced behavior:		

Function description:

The input value "*rInput_X*" is linearized according to the definitions in points *rX1*, *rY1* and *rX2*, *rY2*. This linearized value is directed to output "*rY*".

If points *rX1* and *rY1* are identical (vertical characteristic curve), the output is set to 0.

If the values *rY1* and *rY2* are identical, the output is set to the value of *rY1* or *rY2*.

