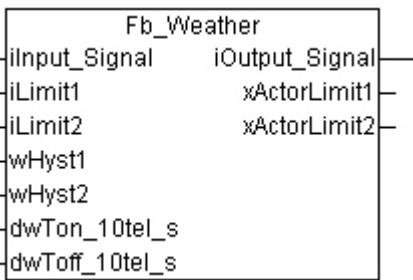
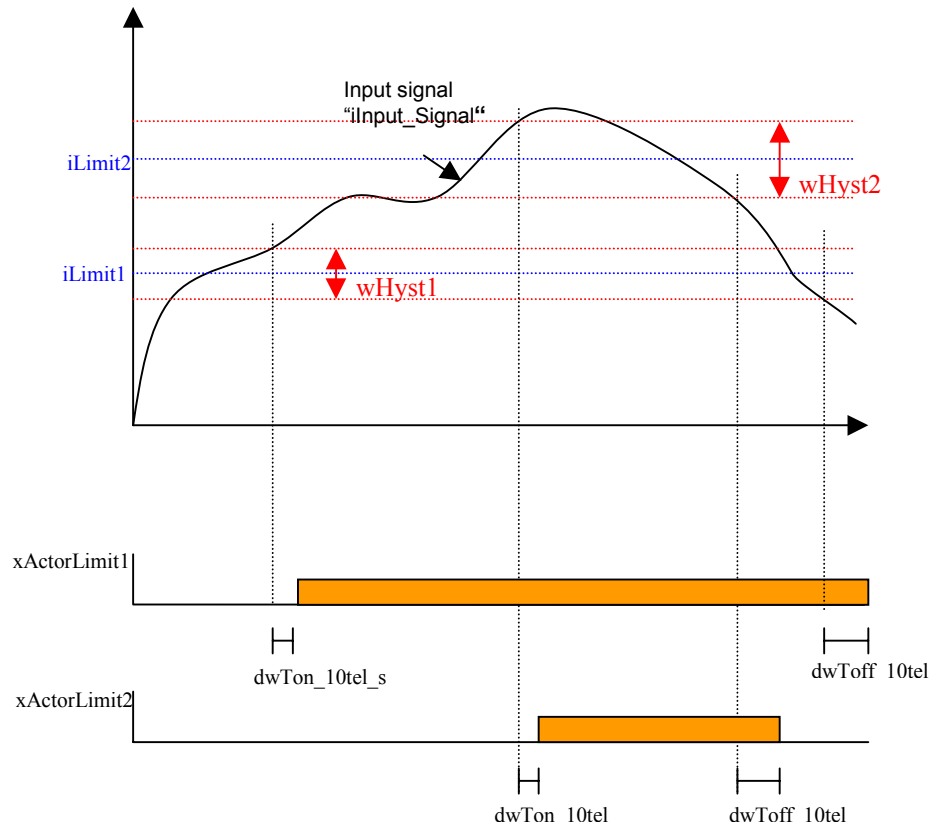


Weather

WAGO-I/O-PRO 32 Library elements		
Category:	Building automation	
Name:	Fb_Weather	
Type:	Function <input type="checkbox"/>	Function block <input checked="" type="checkbox"/> Program <input type="checkbox"/>
Library name:	Weather_01.lib	
Applicable to:	All programmable fieldbus controllers	
Input parameter:	Data type:	Comment:
iInput_Signal	INT	Measured value input
iLimit1	INT	Parameter value for limit value 1
iLimit2	INT	Parameter value for limit value 2
wHyst1	WORD	Parameter value for hysteresis GW1
wHyst2	WORD	Parameter value for hysteresis GW2
dwTon_10tel_s	DWORD	Switch-on delay, output signal Value range 1 – 36000 [0,1s] Default setting = 300
dwToff_10tel_s	DWORD	Switch-off delay, output signal Value range 1 – 36000 [0,1s] Default setting = 300
Feedback value:	Data type:	Comment:
iOutput_Signal	INT	Measured value output
xActorLimit1	BOOL	Switching signal at limit value 1
xActorLimit2	BOOL	Switching signal at limit value 2
Graphical display:		
		

Time referenced behavior:



Function description:

The function module Weather is used to record and transmit analog sensor signals. The measured analog value can be transmitted to the bus as a measuring value. This allows other bus subscribers to process this value, e.g. in a visualization. With the aid of the outputs, weather dependent processes (running up the sunblind, moving in the awning, switching the external lighting etc.) can be controlled. Two limit values ("*iLimit1*", "*iLimit2*") with the attendant hysteresis ("*wHyst1*", "*wHyst2*") can be set for each measured value. If the measured value exceeds the set limit value at input "*iInput_Signal*", a "1" is sent at the corresponding output ("*xActorLimit1*", "*xActorLimit2*"). If the limit value is gone below, the signal will be reset. Furthermore, an input and output delay ("*dwTon_10tel_s*", "*dwToff_10tel_s*") can be parameterized for the output objects to prevent switching commands to be provoked in the event of short-time changes at the measuring signal. Several of these function modules can be linked for form a weather station.