

Function Block 33 Mono Stable Timer (Retriggerable)

Function Description

This function supplies a retriggerable mono-stable action for logic signals. The time delay is determined at design time with a range from 0.1 to 1638.4 seconds, in 0.1 second increments. The timing cycle is (re)started for every 0-to-1 transitions at the input. The input can be inverted.

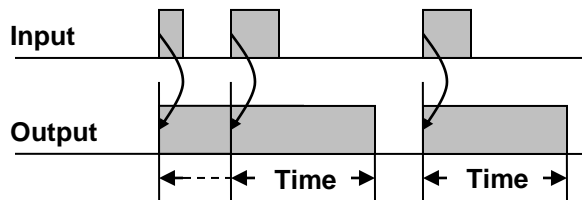


Popup Parameters

- Time value.
- Execution sequence number.

Description of operation

The operation of the retriggerable Mono-stable timer is best described with the following signal diagram.



Inputs and Output

Type	Description	Data Type	Range
Input	Input signal	BIT	0, 1
Output	Output signal	BIT	0, 1

Application

Function Block 33 is useful as a watchdog function. Its output will go low to signal that no heartbeat pulse was received for some time at the input.

Note:

Function block 33 can be executed in Cycle and Time tasks.