Inhaltsverzeichnis

IR10EdgeInp

I = *Input*

R = *Reading functions*

The IR10EdgeInp function detects the rising edge of a digital input.

In particular:

- the function sets the flag on the rising edge whenever the digital input transitions from the incative (value 0) to active state (value 1);
- the function sets the flag on the falling edge whenever the digital input transitions from the active (value 1) to inactive (value 0).

IMPLEMENTATION

IR10EdgeInp (Input, FronteUp, FronteDn)

Parameters

IN/OUT	VARIABLE TYPE	EXAMPLE NAME	DIM	
IN	INPUT SYSTEM	Input	F	Digital input or variable you want to „capture“ the front
OUT	GLOBAL	FronteUp	F	Flag on the rising edge
OUT	GLOBAL	FronteDn	F	Flag on the falling edge

Example

In the example the „ofUscita“ output is set on the rising edge of the input „Input“ It is reset on the falling edge of the same input.

IR10EdgeInp (Input, FronteUp, FronteDn)

```
IF FronteUp
    FronteUp = 0
    SETOUT ofUscita
ENDIF
IF FronteDw
    FronteDw = 0
    RESOUT ofUscita
ENDIF
```

Note

- The function should be placed at a point of the application that runs on every round makes sense in order to be effective.
- Front capture flags once set remain in the State to set until it is reset outside the function.