

Controlling impulse-triggered roller blinds

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This document presents a method of controlling roller blinds that respond to impulse signals.

It is possible to achieve this using M-REL modules that have the option of choosing the associations of outputs (e.g. M-REL-10s). In order to do that, the module's associations of outputs must be set to relay, not blinds, in the module's settings. Then, from a virtual blinds object, create conditions that will control your relay outputs. The type of conditions is dependent on the specific kind of roller blinds. An example below presents how certain roller blinds respond to impulses:

- input up first impulse - go up second impulse - STOP
- input down first impulse - go down second impulse - STOP

The blinds will be connected to outputs 1 and 2 set as MREL1 and MREL2 in associations, and you will be controlling the virtual drive no. 5. Next:

- 1. Go to the M-REL-10s device's configuration.
- 2. Add a condition from the same device.
- 3. Choose to close the drive that is not physically used, with the condition result analysis set to: Condition status change.

The condition-MAC: 0000E2B7/LOC: 0000E2B7 ver: 5.0.0.6901	×
The definition of forcing information. Warning!!! in this window, we only mark what we want to respond to.	
🙃 Inputs/Outputs 📑 Drives 📘 Flags Bin 😽 Flags Iin 8bit 👫 Flags Iin 16bit 🐇 DS 18820 Features	
🙃 Contact outputs 📑 The location of driver	
Drive No 1 Desc.	
Close Open	~
Type of condition:	
Drive No 2 Desc.	×
Close Open 🖃	
□ Act □ Act □ 100% 100%	
Drive No 3 Desc.	
Close Open 📃	
□ Act □ Act □ 100% 100%	
Drive No 4 Desc.	
Close Open 📃	
□ Act □ Act □ 100%	
Drive No 5 Virtual roll	🗸 🔍
Close Open 😑	Confirm Close
Act Act 100% 100%	

4. Confirm and create a Time function for the first output with the impulse's length appropriate for your roller blinds (e.g. 1 second).

The duration of an impuls cannot be longer than the delay time for directional change set in parameters. Otherwise, it can lead to breaking of the blinds

		CEDT VCI. 5.0.0.0501				
In/Outs	e working mode	EQ Lin Shit flags	16 Lin 16bit flags	Events		
	Binary mags 2 Desc. 6 Desc. 10 Desc.	3 Desc. 7 Desc.	4 Desc.			Function: Temporary Operation: Set Delay time [0 -167772.15] s: 0,00 00:00:00,00 Time of duration, (0 - permanent) [0 -167772.15] s: 1,00 00:00:01,00 Value to set Active End value Inactive
					🔁 Get names	Save names V Confirm X Close

- 1. Confirm and create the second condition for Open for the second output in a similar fashion.
- 2. Send to the device.