

Controlling impulse-triggered roller blinds

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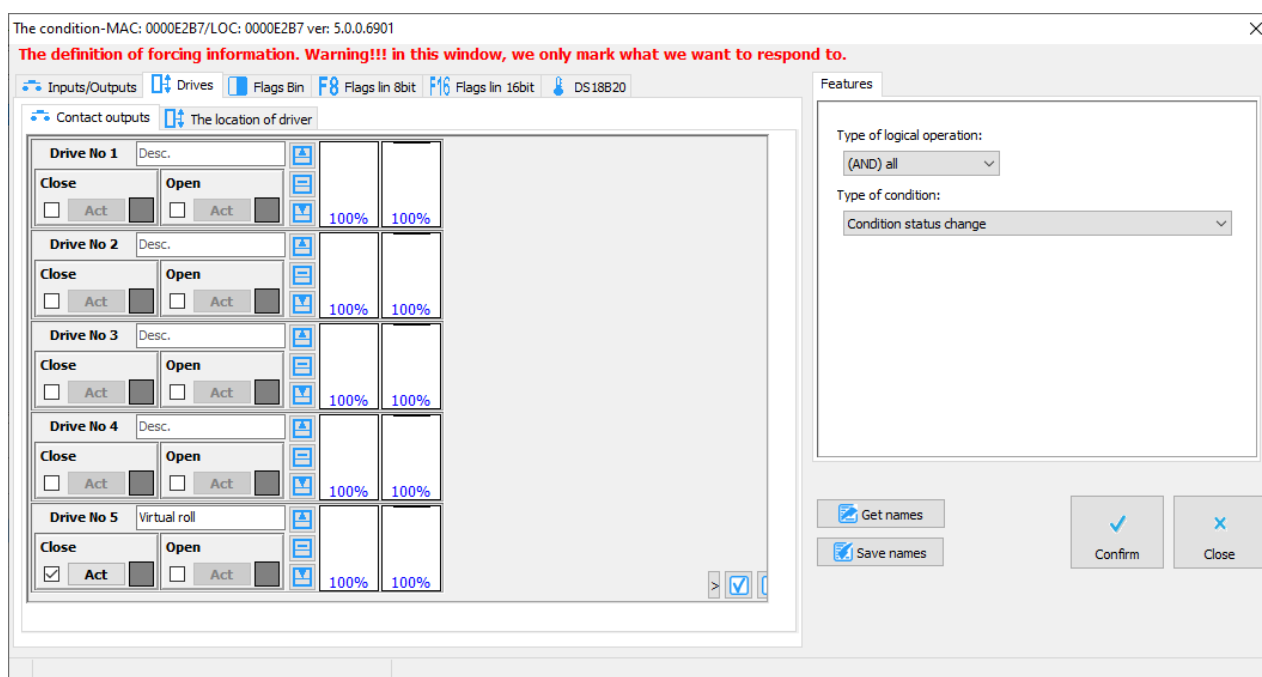
This document presents a method of controlling roller blinds that respond to impulse signals.

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.



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

Device reaction-MAC: 0000E2B7/LOC: 0000E2B7 ver: 5.0.0.6901

Definition of module working mode:

In/Outs Drives Binary flags **F8 Lin. 8bit flags** F16 Lin. 16bit flags Events

1 Desc.	2 Desc.	3 Desc.	4 Desc.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Desc.	6 Desc.	7 Desc.	8 Desc.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9 Desc.	10 Desc.		
<input type="checkbox"/>	<input type="checkbox"/>		

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 Confirm Close

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