

# FAQ: LIGHT SWITCHED AT 100% DURING THE DAY AND 25% AT NIGHT

For a general explanation about Velbus, please consult the installation guide on <u>www.velbus.eu</u>.

Always use the latest version de Velbuslink, freely downloadable on <u>www.velbus.eu</u> > Support > Downloads.

## 1 QUESTION

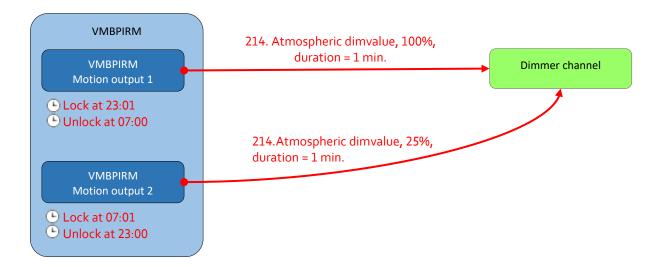
A light needs to be switched at full intensity during the day (07:00 - 23:00), but at night (23:00 - 07:00) at a dimvalue of 25%. How to program this in Velbuslink?

## 2 ANSWER

### 2.1.1 Situation 1: using a VMBPIRC or VMBPIRM motion detector

The lamp is connected to a Velbus dimmer (VMB4DC dimmer controller + universal dimmer, or directly to a VMBDMI dimmer). The light is switched by a VMBPIRC or VMBPIRM Velbus motion detector.

Create the following actions:



Motion output 1 is locked at night, and motion output 2 is locked by day, using 4 program steps:

- lock motion output 1 at 23:01
- unlock motion output 1 at 07:00
- lock motion output 2 at 07:01
- unlock motion output 2 at 23:00

As an example the program step below shows the locking of motion output 1 at 23:01.

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🐞 Program Step Settings 🛛 🔀
Program Step
Channel: Motion output 1 (CH3) 💽 Lock
Program Active for program: Program 1
Recurrence            • Every day         • Every Monday         • Every Monday         • Every weekend (saturday and sunday)         • Every working day (monday to friday)         • Every working day except sunday         • Every day         • Every         • Every day         • Every         • Every
Execution time Fixed time 23:01
<u>K</u> _ancel

In the VMBPIRM or VMBPIRC configuration the timeout of the motion outputs is set to "1s".

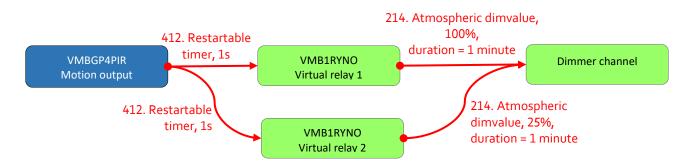
Dark / ligh	t Motion	Motion (lig	Dark / light	Motion	Motion (li
Motion 1	Motion 2	10 	Motion 1	Motion 2	
When triggered			When triggered		
will stay active for 1s 🗸			will stay active for 1s 🗸 🗸		
External override 👔			🗌 External override 🕜		

*Please note: firmware for the VMBPIRC or VMBPIRM needs to be build 1616 or higher. If necessary upgrade the firmware. Always use the latest version of Velbuslink for firmware upgrades!* 

#### 2.1.2 Situation 2: using push buttons or a VMBGP4PIR glass control module with built-in PIR sensor

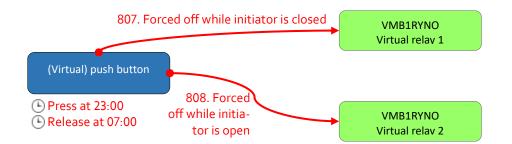
In case the light is switched by a push button or a VMBGP4PIR glass control module with built-in PIR sensor, there is only one input channel available to trigger the light. The input channel is "duplicated" using two virtual relays.

Create the following actions to control the dimmer:



We then make sure only one dimming action can be active at any given moment. To do so, we use a (virtual) push button which forces the virtual relays off. Add the following actions and program steps:

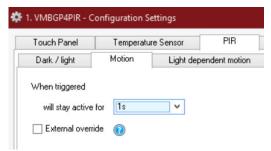




The (virtual) push button is activated by two program steps: press at 23:00 and release at 07:00.

Program Step Settings	Program Step Settings
Program Step	Program Step
Channel: Push button 1 (CH1)  Press	Channet Push button 1 (CH1) 💽 Release
Program Active for program: Program 1	Program Active for program: Program 1
Recurrence	Recurrence
Every day     Every Monday     Every Weekend (saturday and sunday)	Every day     Every Monday     Every Monday     Every Monday     Every weekend (saturday and sunday)
Weekly     Every working day (monday to friday)	Weekly     Every working day (monday to friday)
O Monthly Every day except sunday	Monthly     Every day except sunday
Execution time Fixed time	Execution time Fixed time Time Time Time Time Time Time Time T
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In the VMBGP4PIR configuration the timeout of the movement output is set to "1s".



Please note: firmware for the VMBGP4PIR needs to be build 1616 or higher. If necessary upgrade the firmware. Always use the latest version of Velbuslink for firmware upgrades!