

Smart detector function (for DMOV06 and DMOV07).

Overview

From version 17.0.0 of GoldenGate, it is possible to reduce traffic on bus caused by detection of DMOV06 and DMOV07. An intelligent communication between module and Master has been implemented and timers are now handled by module itself.

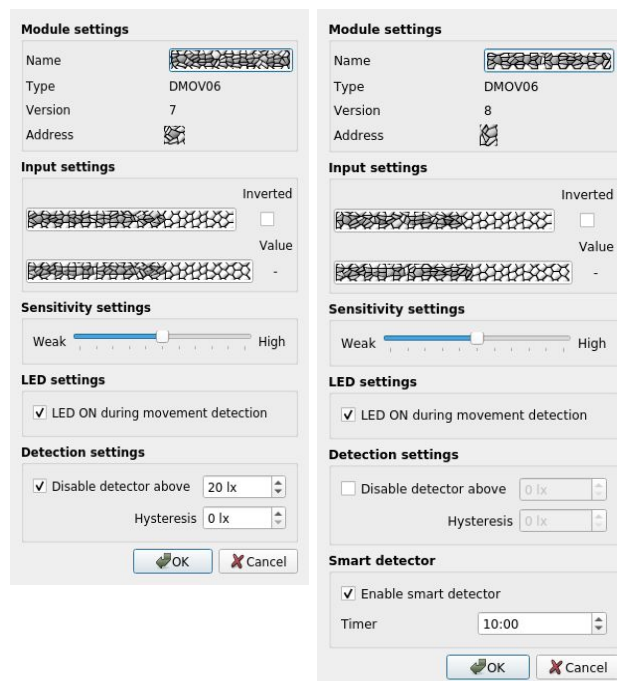
While timer is running, detection of motions is no more sent over bus that frees some bandwidth on the bus.

Specifications/Limitations

- **GoldenGate 17.0.0** or higher is required.
- **DMOV06 with version 8** of firmware or newer or a **DMOV07** (all firmware versions) is required.
- If **same output or group is linked to several DMOV06/DMOV07, the smart detector function can not be used**. Explanation: if one of the detector detects motion, timer will be reloaded but timer of other DMOV06/DMOV07, not. So reloading of timer will have not effect as other DMOV06/DMOV07 will reach end of initial timer and they will ask to Master to execute end action of timer sooner than expected.
- If **several links** are configured on the same DMOV06/DMOV07 input, **smart detector can not be used**.

How to configure smart detector function

- Edit motion detector input.
- Difference between form of a DMOV06 with version 7 that does not support Smart detector functionality and version 8 that supports it.

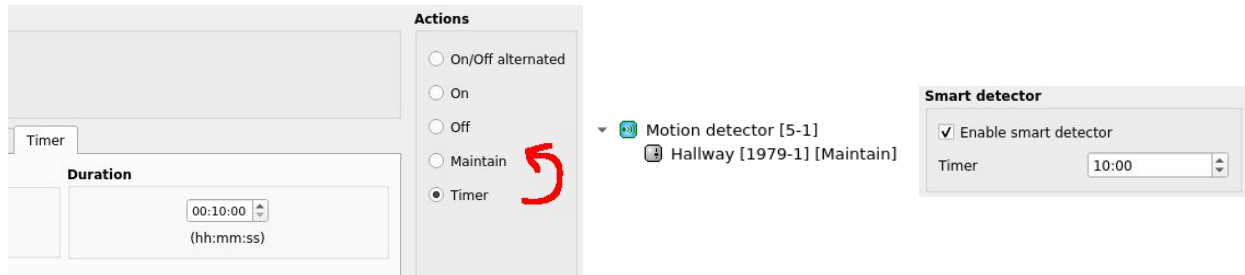


The image displays two side-by-side screenshots of the 'Module settings' window for a DMOV06 module. Both windows show identical settings for Name, Type (DMOV06), Version (7 on the left, 8 on the right), and Address. The 'Input settings' section includes an 'Inverted' checkbox and a 'Value' dropdown. The 'Sensitivity settings' section features a slider from 'Weak' to 'High'. The 'LED settings' section has a checked checkbox for 'LED ON during movement detection'. The 'Detection settings' section includes a checked checkbox for 'Disable detector above' (set to 20 lx) and a 'Hysteresis' dropdown (set to 0 lx). The right window (version 8) includes an additional 'Smart detector' section with a checked checkbox for 'Enable smart detector' and a 'Timer' dropdown set to '10:00'. Both windows have 'OK' and 'Cancel' buttons at the bottom.

- If a timer link already exists on motion detector input, it will not be possible to enable *smart detector* functionality.



- To be able to enable it, edit links and select *Maintain* action instead of *Timer* action then *smart detector* functionality will be available.



- Now, motion detector will not send new motion detection over the bus until end of timer. If output is manually powered off before the end of timer using a push button, Pilot or active PC mode, timer will be aborted by detector and motion detection will be enable again.

Important note: Do not forget to send the application to DGQG to apply modifications.