GENT
by Honeywell

Technical Bulletin

TB:10193 I March 2014

Product parts affected

Vigilon 4/6 loop and Vigilon Compact network panels
POTENTIAL SAFETY ISSUE



Details

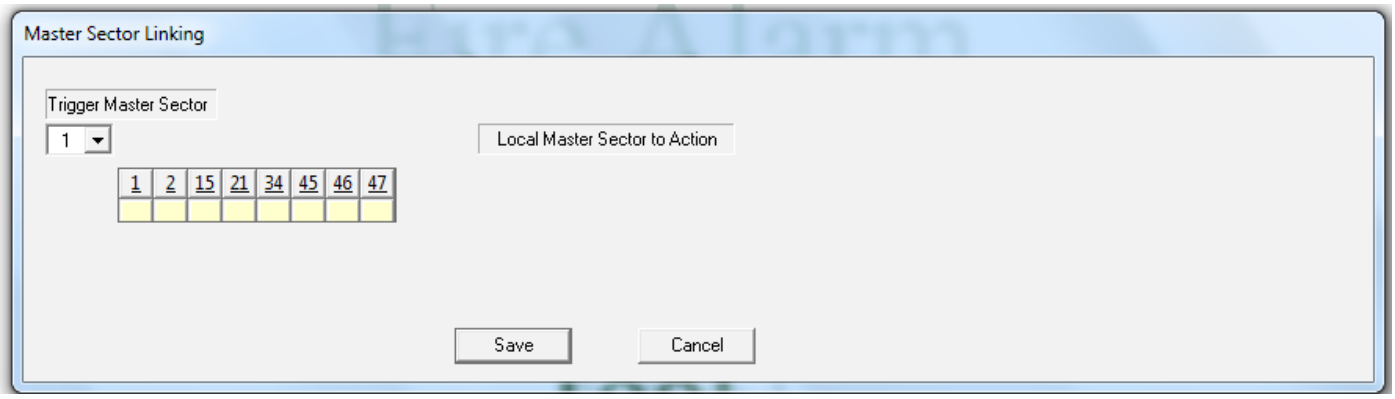
An issue has been discovered with Vigilon main control software Version 4.51 which in certain circumstances could affect the operation of networked systems and which may present a safety risk.

The identified issue:

Vigilon panels operating version 4.51 of main control software with network cause and effect linking more than one Master Sector may not operate as expected. As a result, in some circumstances, it is possible that the system may not sound an alarm or indicate a fire or fault condition.

If a panel on a network has version 4.51 of software, and if a full witness test of the entire system did not take place following the commissioning of that panel, the potential safety issue may exist on site. If the recommendations of BS5839-1:2013 Section 5: Commissioning & Handover have been carried out then if this issue exists on site it will have been found and rectified before handover.

If the master sectoring has been entered in ascending or descending numerical order then the system will not have this problem. Example 1 shows how this might be viewed on the commissioning tool.

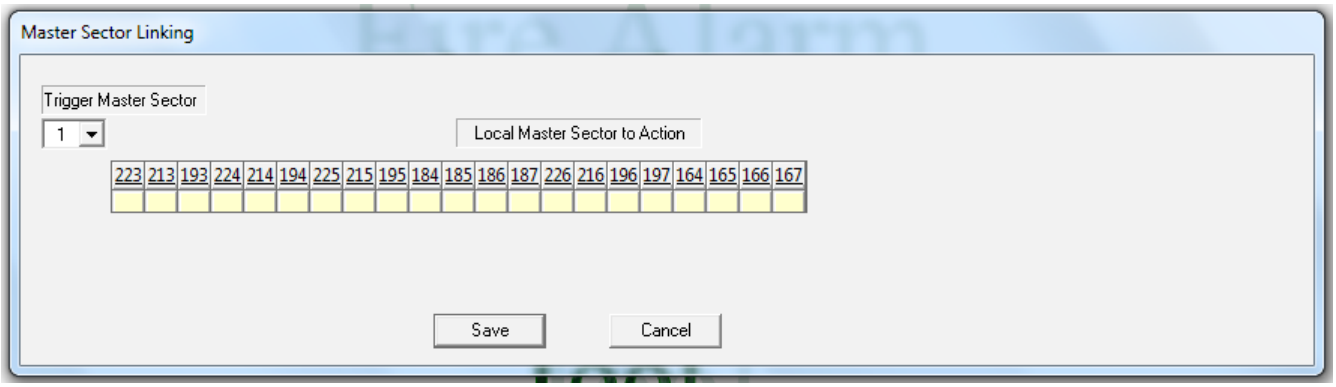


Example 1 – Commissioning Tool view of a system not affected by this issue.

It is not necessary for the Master Sector numbers to be sequential (e.g. ‘1’ ‘2’ ‘3’ ‘4’ etc) but they must be in ascending or descending numerical order (e.g. ‘1’ ‘4’ ‘7’, ‘9’ etc).

If, however, the Master Sector numbers have been entered in a non-ascending or non-descending numerical order (e.g. ‘1’ ‘4’ ‘7’ ‘3’ ‘8’ etc) then there is a potential for the Master Sector linking not to work from the point at which the ascending or descending sequence is broken.

Example 2 shows how an ‘at risk’ site might look on the commissioning tool.



Example 2 – Commissioning tool view of a system at risk of showing this problem. This site should be reviewed and the risk eliminated as soon as possible.

Affected & Not Affected Products:

This problem affects Vigilon 4 and 6 loop panels and Vigilon Compact panels manufactured since 2nd January 2014. Vigilon and Vigilon Compact main control cards and software upgrade chips are also affected as they contain v4.51 of main control software.

- Networked Vigilon panels with ascending or descending numerical Master Sector cause and effect programming (including all networked panels with a “one-out-all-out” cause and effect programming) are not affected.
- Networked Vigilon panels with v4.48 or earlier of main control software are not affected. Only networked panels with v4.51 are affected.
- Nano is not affected.
- Individual non-networked panels are not affected and will operate as planned.
- BS Systems are not affected; this issue only exists in EN systems with v4.51 of main control software.

Action:

We are testing the next revision of main control software and will release this as soon as possible. Any standalone panels will function without problem and no action is recommended.

We recommend you review the Master Sectoring information for all networked panels containing v4.51 of main control software as soon as possible.

- If it is a “one-out-all-out” cause and effect using master sector 1 no action is required.
- If the site is using multiple master sectors but they are in ascending or descending order (see previous examples) no action is required immediately. We would recommend updating the main control software on these panels at the next maintenance visit in order to remove the possibility of inadvertently creating this issue in the future.
- If the site is using multiple master sectors and they have been entered randomly it is likely there is a risk. Please contact Technical Services for guidance on how to eliminate this issue on site.
- Where networked systems have been installed and a full witness test has been held successfully, these systems will continue to perform as tested. We would recommend updating the main control software on these panels at the next maintenance visit in order to remove the possibility of inadvertently creating this issue in the future.

If you have any questions please contact Gent by Honeywell Technical Services on 0116 246 2134.

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