SPC 3.13.5

FIRMWARE
RELEASE NOTES

Issue Summary

1 Feature: Support for new 4G modem.

Feature Description	Adding additional modem configuration options and signal strength monitoring.
Interface Changes	Modem configuration webpage displays the new 4G modem network mode list: Provide support for 4G, 3G and 2G network Add new configuration options to select priority of the network selection 

2 Bug-fix: Reported issue - trigger "alarm" behavior changed with Fw 3.13.1.

Feature/Bug Description	GTS issue - trigger "alarm" behaviour changed with Fw 3.13.1
Issue description	There are 8 types of zone trigger conditions. It has been suggested that all 8 be tested with two different zones. to do this configure a zone of type alarm, add it to a trigger condition and confirm that if the zone goes into alarm the trigger fires immediately (without the fix it could take up to 60 seconds).

3 Bug-fix: Fixed name related display issues in the TWW list web page.

Feature/Bug Description	If an output/keypad/repeater name is maxed (16 chars) then the supervision text also appears in the name field. This can be seen in the TWW list web page.

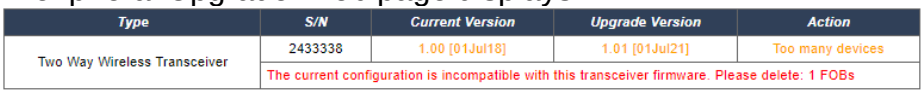
4 Feature: Support newer smoke detector configuration.

Feature/Bug Description	Smoke detectors SW v0.2.0.3 and higher support having their LED enabled/disabled and their supervision time set to 1/2/4/7/10/15/20/30 minutes as long as they are communicating via a 4.7 transceiver. This is now supported: the LED configuration will appear and affect these smoke detectors and changing the supervision will affect their supervision time.
Interface Changes	Smoke detector configuration web page displays: 

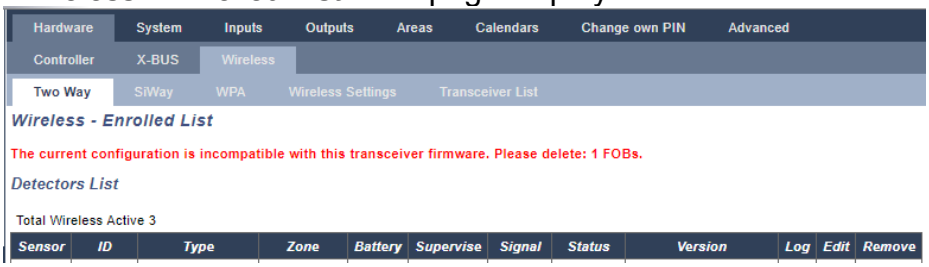
5 Bug-fix: triggers: fixed issue with reboot event that was causing a delay in pin entry or even reboot

Feature/Bug Description	Triggers: fixed issue with reboot event that was causing a delay in pin entry or even reboot, depending on the number of trigger conditions configured (e.g. a single trigger with 100 trigger conditions or more)

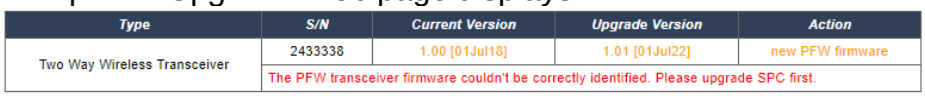
6 Feature: If more than 20 TWW FOBs are used then a TWW transceiver upgrade is denied.

Feature/Bug Description	If the SPC is configured to use more than 20 TWW FOBs and the user wishes to upgrade the TWW transceiver to 4.7, then he first needs to delete the over limit number of FOBs.
Interface Changes	“Peripheral Upgrade” web page displays:  Type: Two Way Wireless Transceiver; S/N: 2433338; Current Version: 1.00 [01Jul18]; Upgrade Version: 1.01 [01Jul21]; Action: Too many devices The current configuration is incompatible with this transceiver firmware. Please delete: 1 FOBs

7 Feature: If more than 20 TWW FOBs are configured to be used by the SPC while communicating with a 4.7 TWW transceiver, a warning is issued.

Feature/Bug Description	If the SPC is configured to use more than 20 TWW FOBs and the system is communicating with a 4.7 transceiver, a warning message is displayed in the “Wireless - Enrolled List” web page. This persists until the user deletes the over limit number of FOBs.
Interface Changes	“Wireless - Enrolled List” web page displays:  Hardware · System · Inputs · Outputs · Areas · Calendars · Change own PIN · Advanced Controller · X-BUS · Wireless Two Way · SiWay · WPA · Wireless Settings · Transceiver List *Wireless - Enrolled List* The current configuration is incompatible with this transceiver firmware. Please delete: 1 FOBs. *Detectors List* Total Wireless Active 3 Sensor · ID · Type · Zone · Battery · Supervise · Signal · Status · Version · Log · Edit · Remove
Notes	

8 Improvement: Inability to correctly identify a transceiver firmware in the PFW is now clearly explained.

Feature/Bug Description	Given a PFW, if the transceiver data in the PFW file cannot be correctly identified, an upgrade is still allowed. Given the fact that the supported number of devices (e.g. pendants) can change, the upgrade is now inhibited and a detailed explanation is provided.
Test notes	
Interface Changes	“Peripheral Upgrade” web page displays:  Type: Two Way Wireless Transceiver; S/N: 2433338; Current Version: 1.00 [01Jul18]; Upgrade Version: 1.01 [01Jul22]; Action: new PFW firmware The PFW transceiver firmware couldn't be correctly identified. Please upgrade SPC first.

9 Improvement: Inability to correctly identify a transceiver firmware is now clearly explained.

Feature/Bug Description	Given a PFW, if the transceiver firmware cannot be correctly identified, the web page simply displays “Unknown”. A more detailed explanation has been introduced now.
Interface Changes	“Peripheral Upgrade” web page displays: <table><tr><th>Type</th><th>S/N</th><th>Current Version</th><th>Upgrade Version</th><th>Action</th></tr><tr><td rowspan="2">Two Way Wireless Transceiver</td><td>2433338</td><td>new firmware</td><td></td><td></td></tr><tr><td colspan="4">The transceiver firmware couldn't be correctly identified. Please upgrade SPC first.</td></tr></table>

10 Feature: Added support for individually configurable ATS/ATP Fault Events

Feature/Bug Description	The web page for Flex ATS configuration has a new button to enable reporting of ATS/ATP Fault Events for each ATS. It is off by default (Before this enhancement events were always reported for all ATS if the Flex profile had network events enabled.) Select to generate network events when this ATS or any of other ATS on the system goes up or down. Default setting is off

11 Feature: Added support for the new 4.7.0.41 transceiver firmware.

Feature/Bug Description	The new 4.7.0.41 transceiver firmware is now supported by the SPC. This includes: - The upgrade and downgrade between the old 4.6.1.67 and the new 4.7.0.41 transceiver firmware. - Support for different device limits depending on the firmware version.

12 Improvement: Added the RF ID in the transceiver help section.

Feature/Bug Description	The transceiver RF identification was previously invisible to the end user. Now it will be displayed in the Help -> Version web page.
Test notes	
Interface Changes	Help -> Version -> Rf Module x now displays a “RF ID” field.
Notes	

13 Bug-fix: Changed the transceiver peripheral S/N from "ChipID" to "RF ID".

Feature/Bug Description	In the File -> Upgrade -> Peripheral Firmware Upgrade web page, the “Two Way Wireless Transceiver” “S/N” was previously populated using the unnecessarily long and complex “ChipID” data. “S/N” is now populated using the “RF ID” data. Both “ChipID” and “RF ID” can be checked in the Help -> Version web page.
Interface Changes	File -> Upgrade -> Peripheral Firmware Upgrade -> RF Communication Module Upgrade -> Two Way Wireless Transceiver -> S/N now corresponds to the “RF ID” data and not to the “ChipID” data.

14 Bug-fix: PIR status messages sporadically wrongly marked as repeated.

Feature/Bug Description	In 3.13.0 an issue was raised regarding PIR status messages sometimes being marked as repeated even though there was no repeater operating in the area.

15 Bug-fix: Engineer access via the TWW keypad is logged indifferently of the “Log Keypad Access” setting.

Feature/Bug Description	If an engineer accesses the SPC via the TWW keypad (either enters the PIN or presents an associated TWW keypad tag), a system log entry similar to “*Engineer accessing system (TwwKpd1) 1 Area 2 Area 2*” is always generated. This should now happen only if the Configuration -> System -> System Options -> Log Keypad Access is enabled.

16 Bug-fix: SPC is not able to connect to a network using DHCP.

Feature/Bug Description	The SPC is not able to get an IP through DHCP if the network it is trying to connect to is different than the internally configured network. The internally configured network is defined by the IP and subnet mask SPC ethernet configurations.

17 Bug-fix: SPC initial connection to a network using DHCP is sow.

Feature/Bug Description	If the DHCP server / router retransmits DHCP messages, this results in the SPC panel restarting the procedure to get an IP through DHCP. This issue can happen several times after initially connecting the SPC to a network, leading to the SPC getting an IP after a longer than usual wait time.

18 Bug-fix: Fix inconsistencies for Czech support.

Feature/Bug Description	Resolved inconsistencies for supporting Czechia and the Czech language.

19 Feature: • New peripheral firmware for the tww transceiver v1.01

Feature/Bug Description	New peripheral firmware for the tww transceiver v1.01 to increase the performance and provide support for new wireless devices

20 Feature: • New peripheral firmware for the SPCK62x

Feature/Bug Description	New peripheral firmware for the SPCK62x to support a new controller chip.

21 Feature: • New peripheral firmware for the SPCN320

Feature/Bug Description	New peripheral firmware for the SPCN320 to support MTU size of 1500. Only an issue if modem is used to connect the SPC system to SPC Connect.

22 Feature: • New peripheral firmware for the SPCN340

Feature/Bug Description	New peripheral firmware for the SPCN320 to support MTU size of 1500. Only an issue if modem is used to connect the SPC system to SPC Connect.