PLEASE NOTE

SPC 3.8 and SPC 3.7 is an interim firmware and does not have external approvals. For regional approved firmware please use SPC 3.6.6.

SPC42xx43xx52xx53xx63xx_V3.8.5 9.04.2018 Updates since: SPC42xx43xx52xx53xx63xx_V3.6.6	Feature type (related languages)

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SPC42xx43xx52xx53xx63xx_V3.8.5 6.4.2018 Updates since: SPC42xx43xx52xx53xx63xx_V3.8.5	Feature type (related languages)
Bug fixes	
Dual Authorisation - Access An issue has been resolved that prevented dual authorisation opening doors in the expected manner, this has now been addressed	Bug Fix All
Fail to set - Access When arming with an access reader and the system failed to set the area in the log was incorrect, this has now been addressed	Bug Fix All
Anti-passback An issue has been resolved when all doors on a door controller are configured as entry and as exit on another door controller, this has now been addressed	Bug Fix All

SPC42xx43xx52xx53xx63xx_V3.8.5 17.11.2017 Updates since: SPC42xx43xx52xx53xx63xx_V3.8.1	Feature type (related languages)
General changes	
SPC Remote Maintenance/SPC Safe /SPC Pro Support for legacy SPC tools has been removed from SPC firmware this includes webpage and keypad support.	Change All
User profiles The default user profiles for domestic and commercial will now include the web access right. This is to allow by default connections from SPC connect. This will only affect new installations and will not change any previous settings when updating.	Change All
Zone defaults CO, water, sprinkler, heat defaults have changed so that the display and report option are enabled by default.	Change All
ENMP - Discovery The ENMP function has been enhanced with a new option which will activate ENMP when in full engineer mode. This function in SPC 3.8.5 is used with the discovery function within SPC Connect Pro to auto discover SPC Panels.	Change All
SPC Connect Pro Web page support has been added to support the new SPC Connect Pro interface to allow for configuration of interfaces and ports.	Change All
Alarm zone type – Timed Part set An alarm zone which has the access attribute was triggering the buzzer on the keypad when a timed part set was performed. This has now been addressed.	Change All

FlexC configuration A new option has been added to the ATS settings that will allow the engineer to select if ATS faults should be logged to the system log.	Change All
FTS on Access All fail to sets (FTS) when arming the system/Area through an Access Reader are now logged in the system log.	Change All
Access changes	
Door unset operation An issue has been addressed where when a door was used to disarm the system access was not granted immediately the user was required to authorise a second time. This has now been address and access will be granted when system is unset	Bug fix All
Arming with Access Readers	
Timed arming with Access. An issue has been addressed where by you arm the system/area at an exit reader with an Exit/Access zone open you got a FTS when the user did not have the Force set or inhibit option.	Bug fix All
SPCE120 Function Button Options	
Door unset operation An issue has been addressed where by a system with functions assigned to buttons on the SPCE120 expander, were misaligned when upgrading from 3.6.7 to 3.8.0 firmware versions	Bug fix All

SPC42xx43xx52xx53xx63xx_V3.8.0	1.1.2017	Updates since: SPC42xx43xx52xx53xx63xx_V3.7.2	Feature type (related languages)
General changes			
Update process change The compression used by SPC has been updated as a result the update process has changed, in order to update your system from SPC 3.6.6 or SPC 3.7.1 the file SPC_3_7_to_3_8 must be used. To downgrade your system from SPC 3.8 to a lower version the file SPC_3_8_to_3_7 must be used, note this will default your system. The change to compression will affect configuration files, FlexC ATS files and any other file in a compressed format.			Change All

SPC42xx43xx52xx53xx63xx_V3.8.1 16.6.2017 Updates since: SPC42xx43xx52xx53xx63xx_V3.7.2	Feature type (related languages)
General changes	
Belgium default changes The defaults for Belgium have been updated by request of customers to make programming of systems to the INCERT standard easier.	Change All
DNS operation The operation of the DNS server has been updated to support windows DNS servers. In the field it was detected that with certain providers the SPC panel DNS server would not resolve a URL (www.spcconnect.com) this has now been addressed.	Change All
UAE region A new region has been added to support UAE regional requirements.	Change All
Alarm logging An issue has been address where a log entry was created on each opening of an alarmed zone. This issue has now been addressed.	Bug fix All
Access changes	
Alarm bypass An issue has been addressed where when a door with the alarm bypass was configured as an alarm zone type and opened by DRS. When the DRS was not released the system would generate an alarm condition this has been corrected so that the activating of the DRS will release the door and not cause an alarm.	Bug fix All
API/Interface changes	
Flexml An issue has been addressed when using the force set command via Flexml.	Bug fix All
ABI Issues have been addressed in the ABI protocol which affected the resync of the panel with the ABI server. This issue has now been addressed.	Bug fix All

SPC42xx43xx52xx53xx63xx_V3.8.0 1.1.2017 Updates since: SPC42xx43xx52xx53xx63xx_V3.7.2	Feature type (related languages)
General changes	
Update process change The compression used by SPC has been updated as a result the update process has changed, in order to update your system from SPC 3.6.6 or SPC 3.7.1 the file SPC_3_7_to_3_8 must be used. To downgrade your system from SPC 3.8 to a lower version the file SPC_3_8_to_3_7 must be used, note this will default your system. The change to compression will	Change All

affect configuration files, FlexC ATS files and any other file in a compressed format.	
Additional regions The following regions options have been added to the SPC panel - Italy - Norway - Denmark, - Czech - Poland - Netherlands - Finland - Portugal - Turkey - USA - Canada - Brasil - Colombia - Argentina - Peru - Venezula - Chile - Mexico - China - Australia - New Zealand -	Change All
SPC DST The SPC DST function has been enhanced to support the Australian DST rules	Change All
SPC Controller Default The SPC can be defaulted by holding the reset button down on the SPC controller, a change has been made where the time required to default the system has been increase to 20 seconds.	Change All
Russian language support The SPC now offers support for Russian language in web page and SPCK6XX and SPCK5xx.	Change All
Help and support The SPC web page now contains links to support information, when an Engineer selects the link information will be available to access the configuration manual. When a user selects the link they will be presented with the User CD as provided with the SPC products.	Change All
Keypad changes	
Keypad accessing logging A new option has been added to the system options that will log each time a user enters a valid code.	Change All

Keypad access protection A new option has been added to the keypad options that will the keypad access to be restricted, this operates on 3 levels • Level 1 – all functions • Level 2- Arm, disarm , restore only • Level 3 – no actions can be performed	Change All
Pace entry From the SPC web page users and engineer will now have the ability to enter the PACE number manually in the web page	Change All
Keypad buzzer - Quiet Mode The options for buzzer control on the SPC have been extended where by the keypad buzzer can be disabled if the action is performed in an area other than the keypad area	Change All
Keypad buzzer – Delayed part set The tone of the keypad when performing a delayed part set has been altered, this is to differentiate from a delayed fullset	Change All
Keypad – Test menu reporting A new option has been added to the keypad that will allow an engineer to test the reporting of alarms. Any zone can be selected to report an alarm or an alarm restore.	Change All
Keypad Menu A new option has been added to the menu to allow for the serial number to be viewed from the keypad.	Change All
Keypad Soak zones The display of activation of soak zones has been enhanced to clearly display if zone would have caused an alarm.	Change All
Keypad icon control The human icon which by default indicates when keypad is accessed can now be changed to follow a mapping gate. This allows the engineer to define the logic that the icon should use.	Change All
SPCK6XX SPCK5XX user menu An option has been added to the system which allows for the SPCK6XX and SPCK5xx to have the same menu structure as the SPCK4XX.	Change All
User changes	
SPC Users - Level 3 Access right A new advanced user right has been added to the user profiles that allows for a user to restore/inhibit/isolate with engineer level permissions. This option is only available in unrestricted mode.	Change All
SPC Users -Alarm access option A new user option has been added that will allow a user access only after an alarm has occurred. This is enabled per users and is controlled by tow timers which define how long after the alarm the user should have access and for how long the user should have access.	Change All

Cause and effect changes

SPC Cause and effect – trigger conditions

Change
All

The SPC has been enhanced with the following trigger conditions

- System reboot
- Over current
- Engineer access granted
- Manufacture access granted
- Web access
- Xbus cable fault
- Xbus fault
- Valid code for user with a particular profile
- Valid card for user with a particular profile
- Web access for user with a particular profile
- Keypad access for a user on a particular keypad

SPC Cause and effect - Operation

Change
All

The conditions for triggers can now be configured to operate if any condition is true.

SPC Cause and effect - Logging

Change
All

A new log for the operation of cause and effect is available in the SPC web page and logs the following states

- Mapping gate On/off
- Area trigger unset, fullset etc
- Door action Locked, unlocked

SPC Cause and effect - Configuration

Change
All

A new wizard is available in the SPC web page to allow for easier configuration of cause and effect in the SPC system. This will allow for configuration of door, areas or mapping gate actions and replaces the previous option of configuration from the door or area section.

Zones changes

Zone types

Change
All

Additional zone types have been added to SPC these include

- Water
- Heat
- Fridge/Freeze
- Gas
- Sprinkler
- CO

Zone Type	SIA Alarm Code	SIA Restore Code	CID Code
Water	WA	WH	154
Heat	KA	KH	158
Fridge/Freeze	ZA	ZH	152
Gas	GA	GH	151
Sprinkler	SA	SH	213
CO	CY	CH	162

SPC zone restore SPC prior to 3.8 would not allow an entry or alarm zone type to be restore if the zone was in the activate state, a change has been made to allow restore if open and if this will not cause an additional alarm	Change All
SPC Additional Entry zone type An additional zone type has been added to SPC, entry exit two, this allows for a second entry time to be defined per area.	Change All
Key arm zone type Additional options have been added to the key arm zone type to allow part set of the system	Change All
System - Final exit zone attribute A new system option has been added that will allow final exit to shorten the exit time but will not maintain the exit time if zone is open.	Change All
User web page -zone status The detailed information on the zone status will no longer be visible to the user the column EOL quality and input will be hidden from the user.	Change All
SMS force set Users required the force set right in order to fullset the system when using SPC 3.7 or 3.6.6 this has now been addressed	Change All
German region change The confirmation time will now be 0 by default for VDS grades B and C	Change All
Engineer arming option A new option has been added to block arming if engineer or manufacturer access is granted. This will be enabled by default for Switzerland.	Change All
Reporting changes	
Reporting Seismic The SPC support for seismic detectors has been enhanced to report when a seismic test passes or fails.	Change All
Reporting Auto arm The SPC will now report when auto arm has occurred	Change All
Reporting - Alarms A new FlexC filter option has been added to allow for the reporting of Zone state changes after an alarm. This will signal zone opening and closing after has an alarm has occurred.	Change All
Reporting – FlexC options The installation details for FlexC installations has been enhanced to include the panel groups, this will allow panels to be auto enrolled into panel groups in SPC Connect.	Change All
Reporting – SMS	

The SMS automation test time can now be configured with the exact date the tests should start from and at what time	Change All
SPC Reporting - ABI The SPC ABI functionality has been enhanced to support the latest ABI protocol.	Change All
GSM modem support A number of features have been added to the SPC 3.8 firmware to support the SPC 3G modem these include • Credit check In the SPC web page modem section a field has been added "USSD" this will allow a user to query the credit available on a SIM from the keypad. • In the SPC web page modem section a field has been added to allow for the selection of technology to be used with the 3G modem.	Change All

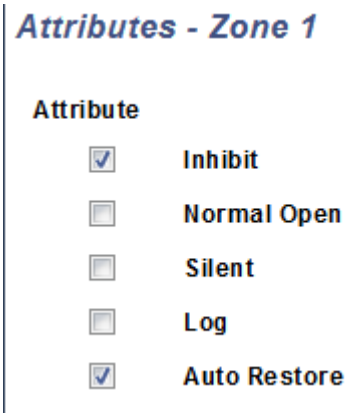
Access control changes	
SPC Access control – Exit option A new option has been added to SPCA210 in order to allow a door to be defined as entry or exit door.	Change All
SPC Access control – Dual Authorisation option A new option has been added that two users must authorise action before access is granted or action can be performed on a door eg Set/ unset	Change All
SPC Access control – bypass alarm option An issue has been addressed whereby when the door is unlocked an alarm occurred if opened.	Bug Fix All
SPC Access control – reader led control A new option has been added to SPC doors in order to define the led operation, this can be defined as a mapping gate allowing the engineer to define the operation of the LED.	Change All
Web interface	
User configuration web page An issue has been addressed where users with date restrictions date was been altered when the year changes and that user was edited	Bug fix All
SPC Start up wizard An issue has been addressed where the language may not be correctly selected base on the region selection, this has now been addressed.	Bug fix All
Web page FlexC import An issue has been addressed where importing a ATS configuration returned an error, this was caused when event exceptions were used in the profile.	Bug fix All

Web page Calendar The calendar menu has been enhanced to allow for the import and export of calendars. The calendar configuration has also been enhanced to allow for quicker configuration and greater visibility.	Bug fix All
Web page Cable page The SPC cable map has been enhanced to offer clear visibility of offline and configured devices.	Change All
Web page Cameras The SPC camera configuration has been updated to include the CCMS2010-IR	Change All
Web page Logo The SPC web page will now support uploading of standard bmp files, samples of bmp have been included in the release package	Bug fix All
Keypad Direct arm An issue has been addressed where when using the direct arm function on the SPCK6XX or SPCK5XX the system log showed the incorrect keypad id.	Bug fix All
Area changes	
Area - Auto arm An issue has been addressed where auto arm was not possible after midnight.	Bug fix All
Area - Auto arm - restore A new option has been to area configuration that will allow alerts to be automatically restored before auto arming occurs.	Change All
Miscellaneous	
Keypad buzzer alarm An issue has been addressed where the keypad should not activate the buzzer when an alarm has occurred in VDS C operation.	Change All
DHCP An issue has been addressed where the SPC would not update the DHCP server if the server changed location.	Bug fix All
PSU fault An issue has been addressed where the SPC Grade 3 system where reporting a PSU fault when a mains occurred. This has now been addressed.	Bug fix All
Web page outputs An issue has been addressed when an output could not be configured to disabled from the Outputs web page	Bug fix All
RF jamming An issue has been addressed when RF jamming is disabled and RF jamming is still highlighted when a wireless module is connected to the SPC panel	Bug fix All

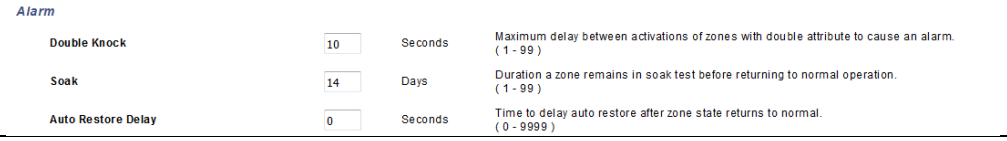
Peripherals	
SPCE120 – indicator module A new function has been added to the SPCE120 to allow for delayed arming from the device.	Change All
SPCE110 – Key switch module A new function has been added to the SPCE110 to allow for the shunting of zones in an area, when key is turned to position of function zones will be shunted when key returned to normal zones will be de-shunted.	Change All
SPCN110– PSTN modem The modem has been updated to add support for Australia new version 2.10 replacing current 2.09.	Change All
SPCN320 – GSM modem The SPC panel has been enhanced with support for the SPCN320	Change All

SPC42xx43xx52xx53xx63xx_V3.7.1 30.5.2016 Updates since: SPC42xx43xx52xx53xx63xx_V3.7.0	Feature type (related languages)
USB connection The SPC allows users to create a dial up connection over USB in order to access the SPC web page. Unfortunately, in SPC 3.7.0 this functionality stopped functioning. This has been addressed in SPC 3.7.1.	Fix - Update All
Web page – User pins SPC offers an option in unrestricted mode when option is enabled to allow engineers and/or users with master user right to set a user's pin. In SPC 3.7.0 the users pin was visible this is no longer the case.	Fix - Update All
SMS command - Fullset Users performing a fullset via SMS where required to have the force set user right, this is no longer the case. Users will be allowed to full set with SMS with the full set right only.	Fix - Update All
Web interface – Users configuration The SPC allows the configuration of users from the web interface. An issue was detected where when using the date restriction functions users date limit would be updated when the SPC panel year changed on the web page, if the operator saved this web page this would set the date restriction to an incorrect value. This has been addressed in SPC 3.7.1.	Fix - Update All

SPC – Start up wizard The SPC enables the engineer to quickly configure the system at start up, an issue was detected with the default language selection in the start-up wizard. This has been address in SPC 3.7.1.	Fix - Update All
SPC – VDS defaults The German intrusion standards VDS A default has been changed to match VDS C with a dial delay time of 0.	Fix - Update All
SPC – SES compliance A change has been made to a SES compliant feature in order to allow an Engineer to arm system when engineer access has been granted.	Fix - Update All

SPC42xx43xx52xx53xx63xx_V3.7.0 12.12.2015 Updates since: SPC42xx43xx52xx53xx63xx_V3.6.6	Feature type (related languages)
Auto restore The SPC auto restore function has been enhanced to allow for a restore on an individual zone and also the option to delay the restoring of a condition. This option is only available in Unrestricted standard. The new zone attribute will be called “Auto restore” and will be available in the zone attributes. When this option is enabled once the input returns to normal state the alarm condition will be restored.  This operation can be delayed by setting the new system timer “Auto Restore Delay”. Once a condition returns to normal state the condition must remain in that state until the time has expired, if the condition reactivates then the condition will not be restored. The “Auto Restore Delay” timer affects • Auto restore – zone	Change - Update All

- Auto restore – system wide
- Restore on close – System alerts.



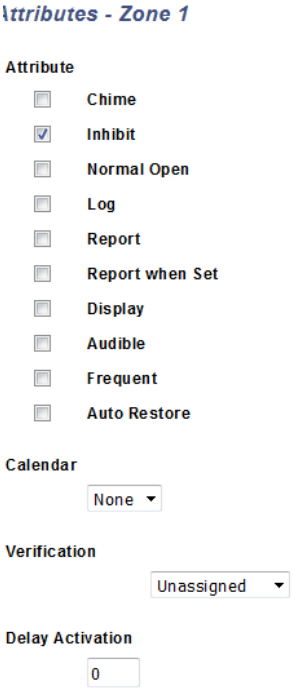
Tech zones - Delay

Change - Update
All

Tech zone are non-intruder zone that provide a number of custom attributes to allow for monitoring and reporting of external equipment. Pre 3.7 the activation of tech zones could be delayed by a system wide timer and was enabled by using the “delay” attribute. This would prevent false activations on a tech zone.

From 3.7 each Tech zone will have a delay timer per zone, this will remove the need for the delay attribute. The operation and functionality of the delay remains unchanged.

Updating to 3.7 will not change the operation of existing tech zones.



Force Set

Change - New
All

Force Set operation can now be defined per area.

- Normal - Force set operates as per pre 3.6.6
- Blocked - Force set is not allowed
- Force set Unrestricted - The new force set mode

The force set Unrestricted primary design is remote management systems that wish to ignore the status of the system. When performing a force set with the force set unrestricted enabled the following behaviour will be observed.

Zone open with Inhibit attribute	Zone is inhibited and system ar
Zone open without Inhibit attribute	Zone is not inhibited and syste and system goes into alarm.

Wireless strength indication

Change

The wireless strength indication for wireless modules less than version 9 and greater will now be aligned.	All
Wireless Supervision A new option has been added for wireless supervision to allow for the reporting of wireless lost in a less intrusive manner. *Wireless Settings* Antenna: Internal Supervision: Tamper disabled Filter: ☐ Detect RF JAM: ☑ RF FOB SOS: Panic WPA Test Schedule: 0 Prevent Setting Time: 20 Device Lost Time: 720 Wireless Lost Event: ☑ If this option is enabled the system will report SIA code BZ and CID code 147	Change - New All
Restore on Unset The SPC system in unrestricted mode offers the option to auto restore alerts after a defined period. This functionality remains unchanged however now the system will display alerts on the keypad until they are restored.	Change All
Door/Access changes	
Door attributes SPC provides a number of attributes to allow for the configuration of doors and how they operate. SPC 3.7 allows for the enabling of these attributes by calendar that will allow for greater control of the system. The following attributes will now support a calendar • Pin to exit • Pin to Set/unset • Unset outside • Unset inside • Full set outside • Full set inside • Escort • Custodian • Interlock	Change - New All

SPC door control will now have an addition attribute to allow for Exit with card. This will allow a user to exit an entry exit door configuration with card only.	
Door output A new door output is available to follow the buzzer of the SPCA210.	Change All
Door Trigger A new door trigger is available to trigger of a valid card; this may be selected to be any user or a particular user.	Change All
FlexC The auto encryption mode has been changed so that the key will change on first initial connection. A new encryption mode has been added to update the key periodically.	Change All
Miscellaneous	
Camera Authorisation The SPC camera authorisation system of passing the username and password continues to be supported. This additional feature does not change the current operation. A new mode of authorisation has been added to support basic http authorisation. This is a variant of the current SPC authorisation mode and is required for compatibility to specific cameras. This mode is enabled by selecting the option *Camera Configuration* Camera ID 1 Description Camera 1 Type Generic Camera IP [redacted] Camera Port 80 Username [redacted] Password [redacted] 1 Update Cmd. string Camera Autherisation ☑ Command String /cgi-bin/stilljpeg?username=YWRt Pre-Event Images 8 Pre-Event Interval 1 Post-Event Images 8 Post-Event Interval 1	Change All

User Pins The SPC system for safety and compliance does not allow any user to alter a user's pin once it has been assigned. In unrestricted mode an option has been added where a user with the master user right or an engineer can now change a user's pins This can be altered from the web page in "System General Policy" the option name is "Allow Master Users to Change PINs"	Change All
Triggers A new trigger condition has been added to allow for the trigger of a valid card on an access reader or keypad.	Change - New All
System option – Engineer Access A new system option has been added that will prevent the system arming when engineer access has been granted. This will be enabled by default for Switzerland.	Change - New All
Wireless FOB The SPC provides a security option that prevents accidental disarming the system. This option blocks the system disarming when the entry timer is not running. In order to improve and aid engineer the system will from 3.7, log when a FOB action has been blocked.	Change - Update All
FlexC - GSM modem The GSM modem SPCN310.000 will now support DNS resolution of URLS when entered in FlexC ATPS.	Change All
Restore on unset The restore on unset option in SPC automatically restores alerts after a period once the system has unset. For ease of use the system will now display these alerts before restoring.	Change All
DHCP A compatibility issue has been resolved with certain routers which would fail to provide the SPC with an IP address when DHCP is enabled.	Change All
EDP – Additional information The additional information sent in EDP has been reapplied in SPC 3.7	Change All
END	