

New features and changes in UL 10th Edition Axis AX control panel software

This document contains information on the key changes made to Axis AX control panel software to meet UL 10th Edition approval.

If you have any questions, please don't hesitate to contact us enquiries@advancedco.com











Audio/page area LED colour and status

For paging/playing audio areas, the default settings for the three LEDs associated with a button on the AX-ASW16 switch/LED card are configured as follows:

Button 0 Area 5: Paj	ge		Butt Area 6: Message 1 (a	on 09 Alarm)	[
Audio Indicators					
The following LED	color and state	settings will	be used when indica	iting audio operation	ns:
Message Type	LED Co	lor	State	2	
Evacuate	Red	•	LED On	-	
Alert	Red	•	LED On	-	
Paging	Green	-	LED On	-	
Other	Yellow	-	LED On	-	

The default values are set to UL/ULC requirements, but you can change the settings.



New features

'Ready to Page' or 'Ready to Play' indication



Page/play LED flashing status is now available, whereas previously the LED was continuously on. The green LED will now start flashing within 2 seconds of pressing the page button and will turn continuously on within 5 seconds provided a pre-announcement tone is not in use. This means the area is ready to talk.

The red LED will start flashing within 2 seconds of pressing the play button. It will turn continuously on within 5 seconds provided a pre-announcement tone is not in use. This means that the audio message will start to play.



Ability to play a pre-announcement tone

A pre-announcement message/tone has been introduced. The message is defined as message/tone number 4 in the PC ConfigTool (version 7.67). The default value is for the pre-announcement tone to be selected.

Options			
Installation Options	Audio Messages		
- Audio	Message No	Message Type	Used for Mass Noti
Indicators	1	Alarm	
Control Buttons	2	Alert	
Command Center	3	All Clear	
- HVAC	4	Pre-Announce	
Fans	5		
Dampers	6		
Smoke Compartments	7		
Automatic Test Timers	8		
Misc	9		
Test All Smoke	10		
Device Options	11		
Feature Visibility	12		
Network Node Options	13		
Miscellaneous	14		
General Options	15		
Service Options	16		
□ Passwords		1	
Password 1			
Password 2			
E Password 3			

The pre-announcement message/tone requires a visual indic on the panel and two new general events have been added:

- **1. Prepare Pre-Announcement:** LED flashing
- **2. Play Pre-Announcement:** LED continuously on



•	When the pre-	LED Operation	
ie	announcement tone	Text for LED outputs is not up	bloaded.
е	is in use, the pre-	Function Description	
	announcement LED will	EPrimary Activation Operating Method	General Event
	flash when the page	General Event	Unused
	button is pressed. After	State ⊡Secondary Activation	Access Level 3 Access Level 3 (any node) Command Center in Use
	5 seconds, the LED		Phones Off-Hook
	will turn continuously on and card will play the pre-annou message. Once the user pres the key on the microphone, pre-announcement LED will	d the AMP ncement sses the turn off.	Connected Phone on Hold Unacknowledged Phone Fault Phone Fault Phone Calling Ready to talk Play PreAnnounce Prepare To Talk Prepare Pre-Announcement HVAC All Fans and Dampers Isola Recent Reset of Fans and Any HVAC Trouble Any HVAC Off Normal
	When an area is playing a		Any Unacknowledged HVA
ication I:	pre-announcement message its green paging LED will fla continuously on after the mi pressed. The pre-announcen to be programmed in the AN	/tone, sh. It will only I crophone key h nent message/to /IP card.	become as been one needs





ault

ated Dampers

AC Trouble



Paging 'System Ready' indication

Each paging button has its own fixed green LED to indicate if an area is ready to talk, by either flashing (during preparation) or being continuously on when the area is 'Ready to Talk'.

In order to provide a system paging status in line with ULC S527 / can-ulc-s527-19-en requirements, two new general events have been introduced so that LEDs can be programmed to show that an area is 'Preparing to Talk' and 'Ready to Talk':

- 1. Prepare to talk: LED flashing
- 2. Ready to talk: LED continuously on



An overall system indication can be provided using the two new general events.

The system will indicate as follows:



LED Operation

- System 'Prepare to Talk' LED will flash if any area page LED flashes
- System 'Ready to Talk' LED will be continuously on if all area page LEDs are continuously on.

Function Description EPrimary Activation General Event Operating Method Jnused Access Level 3 (any node) Command Center in Use hones Off-Hook Connected Phone on Hold Unacknowledged Phone Fault Phone Fault Phone Calling Ready to talk Play PreAnnounce

Text for LED outputs is not uploaded.

Prepare To Talk Prepare Pre-Announcement HVAC All Fans and Dampers Isolated Recent Reset of Fans and Dampers Any HVAC Trouble Any HVAC Off Normal Any Unacknowledged HVAC Trouble Any unacknowledged HVAC Off Normal







Resumption of automatic messages

Previously, a message would automatically stop playing when the page button was pressed and resume playing when the page button was pressed again. Resuming the automatic message is now optional. It can be configured from the PC ConfigTool (version 7.67).

The default setting is to resume playing the automatic message and this applies to the fire system and not per panel. To change the setting, go to:





New features

Live voice paging

It is a new requirement that the signal silence inhibit feature is not overridden by live voice paging or automated voice messaging.



Carbon Monoxide Alarm







T4 carbon monoxide signal

The 10th Edition panels now support carbon monoxide as a new life safety event. A CO alarm event has a priori just below a fire alarm but above all other events. This is reflected in the panel display and audio signals.

In the event of a CO alarm, the temporal Code 4 (T4) audible pattern is required for a responder to take proper action. The UL Standard states:

Where the combination system activates audible alarn signals, the system shall be capable of signalling the following patterns:

- a) A single and tone pattern consisting of four cycles of 100ms +/-10% ON and 100ms +/-10% OFF, followed by 5 sec +/-10% OFF
- b) After the initial 4 min of alarm, the 5 sec OFF time shall be permitted to be changed to 60 sec +/-10%
- c) The alarm signal shall be repeated in compliance with (a) and (b) until the alarm is reset or the alarm signal is manually silenced.



New features

rity is	The panel provides a synchronisation protocol (Gentex, Potter, Wheelock and the hornstrobe to generate a T3 signal when a hornstrobe is activated, it on evacuation pattern, which consists of with a 0.5 second on phase and a 0 three pulses are then repeated after and repeats in this sequence.	nd System S al. In 9th Ed ly sounds in f three audit 5 second o a 1.5 secor	rding t ensor) ition p a temp ole puls ff phas
n	The panel can now provide a synchronisation signal for Gentex	Signal Pattern Det	ails sheet for full inform
	to generate a 14 Signal. This	Signal Pattern	9
	option is provided in the ringing	Used For	Standard Out
	style setting in the PC tool	Suspend During P.A.S.	
		Complete All Phases	
	No code change is required for	Latch Phases	
	Wheelock T/ support as the signal		
	Wheelock 14 Support as the signal	Delay (s)	0
	pattern is set with the device DIP	Output Type	PULSE
	Switch Thora is no requirement	Pulse Type	Hornstrobe (N
	Switch. There is no requirement		T3 Hornstrob
	for Porter and System sensor	Delay (s)	T4 Hornstrob
	devices to support a T4 signal.		

to the for anels, poral-3 ses se. The y off,

mation	\$
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IAC Only)	
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ie sync	_
ie sync	



Carbon Monoxide Alarm

For on-board NACs, the current PC tool provides the user with different pulse types including five temporal patterns. These patterns can be edited with 0.5 second precision and a T3 signal can be created for the panel to drive on-board NAC.

The panel and PC tool now provide additional tones to drive on-board NACs in T3 and T4 signal patterns. These signals are fixed and cannot be changed.

Signal Pattern Details 🛛 🛠			
Check device datasheet for full information on tone support.			
Signal Pattern	11		
Description			
Used For	Standard Output		
Suspend During P.A.S.			
Complete All Phases			
Latch Phases			
Repeat Phases			
⊡Phase 1			
Delay (s)	0		
Output Type	PULSE		
Pulse Type	T3 & T4 Signal (NAC Only) 💌		
Tone	Simple On/Off Pulse		
⊡Phase 2	Temporal Pattern 2		
Delay (s)	Temporal Pattern 3		
	Temporal Pattern 4 Temporal Pattern 5 Hornstrobe (NAC Only)		

Signal Pattern Details 🛛 🛠		
Check device datashe on tone support.	et for full information	
Signal Pattern	11	
Description		
Used For	Standard Output	
Suspend During P.A.S.		
Complete All Phases		
Latch Phases		
Repeat Phases		
⊡Phase 1		
Delay (s)	0	
Output Type	PULSE	
Pulse Type	T3 & T4 Signal (NAC Only)	
Tone	T4 Signal 5s Gap 🗾 👻	
⊡Phase 2	T3 Signal T4 Signal 5a Gap	
Delay (s)	T4 Signal 60s Gap	

Both T3 signal (fire alarm) and T4 signal (CO alarm) are now synchronised across the network.



New features

New carbon monoxide event

As a life safety event, the panel will process a CO alarm event in a similar way to processing a fire alarm:

- A new input action 'CO Alarm' allows the panel to generate a CO alarm event
- The CO event is reported on the status display
- The CO alarm can be viewed on the panel using the **VIEW > CO ALARM menu**
- There are two new zone statuses: ZONE IN CO ALARM and ZONE IN CO FAULT
- There are two new CO alarm general events: ANY_CO_ALARM and UNACKNOWLEDGED_CO_ALARM
- There are two new CO fault general events: ANY CO FAULT and UNACKNOWLEDGED CO FAULT
- The CO alarm is now a single zone qualifier
- The CO alarm event will be logged
- The CO alarm event can be printed out
- The CO alarm will activate the panel buzzer with the same tone as the fire alarm.

Please note: A CO alarm is not a fire alarm, and will **NOT** illuminate the red fire alarm LED on the front of the panel.





Cause and effect for hornstrobes

There are two additional 'Pulse Type' options in the PC ConfigTool (version 7.67). The options appear in View/Edit Signal Patterns > Signal Pattern Details > Output Type = **PULSE**. The hornstrobe signal (NACs only) is for hornstrobes.

Signal Pattern Details		
Check device datashee on tone support.	et for full information	
Signal Pattern	3	
Description		
Used For	Standard Output	
Suspend During P.A.S.		
Complete All Phases		
Latch Phases		
Repeat Phases		
⊟Phase 1		
Delay (s)	0	
Output Type	PULSE	
Pulse Type	Simple On/Off Pulse	
On Period (s)	Simple On/Off Pulse	
Off Period (s)	Temporal Pattern 2	
Tone	Temporal Pattern 3	
Volume	Temporal Pattern 5	
⊡Phase 2	Hornstrobe (NAC Only) T3 & T4 Signal (NAC Only)	
Delay (s)		

Panel Details	
⊞General	
⊞Display Options	
⊞Command Center Control	
■NAC Options	
All NAC Outputs	2 Class A
Horn-Strobe Protocol	Gentex
Silence Strobes	
NAC-1 Usage	Horn-Strobe Protocol
NAC-2 Usage	Horn-Strobe Protocol 🗸 🗸
NAC-3 Usage	Normal
NAC-4 Usage	Normal

Signal Pattern Deta	Signal Pattern Details		
Check device datash on tone support.	Check device datasheet for full information on tone support.		
Signal Pattern	3		
Description			
Used For	Standard Output		
Suspend During P.A.S.			
Complete All Phases			
Latch Phases			
Repeat Phases			
⊡Phase 1			
Delay (s)	0		
Output Type	PULSE		
Pulse Type	Hornstrobe (NAC Only)		
Tone	T3 Hornstrobe sync 🗸		
⊡Phase 2	T3 Hornstrobe sync		
Delay (s)	U U		

When 'Hornstrobe (NAC only)' is selected, there are two tones available: 'T3 Hornstrobe' and 'T4 Hornstrobe Sync'.

Only the Gentex hornstrobe responds to the T4 tone.



Cause and effect for on-board NACs

There are two additional pulse type options in the PC ConfigTool (version 7.67). These options appear in **Ringing** Style > Signal Pattern Details > Output Type = Pulse.

Signal Pattern Details		
Check device datasheet for full information on tone support.		
Signal Pattern	3	
Description		
Used For	Standard Output	
Suspend During P.A.S.		
Complete All Phases		
Latch Phases		
Repeat Phases		
⊡Phase 1		
Delay (s)	0	
Output Type	PULSE	
Pulse Type	Simple On/Off Pulse	•
On Period (s)	Simple On/Off Pulse	
Off Period (s)	Temporal Pattern 2	
Tone	Temporal Pattern 3	
Volume	Temporal Pattern 5	
⊡Phase 2	Hornstrobe (NAC Only) T3 & T4 Signal (NAC Only)	
Delay (s)		_

Panel Details	
⊡Command Center Control	
Controls Only From Active Center	
Command Center Number	1
Use For Audio Control	
□NAC Options	
All NAC Outputs	2 Class A
Horn-Strobe Protocol	No Protocol
Silence Strobes	v
NAC-1 Usage	Normal
NAC-2 Usage	Normal
NAC-3 Usage	Normal
NAC-4 Usage	Normal

Check device datashe on tone support.	et for full information
Signal Pattern	3
Description	
Used For	Standard Output
Suspend During P.A.S.	
Complete All Phases	
Latch Phases	
Repeat Phases	
⊡Phase 1	
Delay (s)	0
Output Type	PULSE
Pulse Type	T3 & T4 Signal (NAC Only)
Tone	T3 Signal •
⊡Phase 2	T3 Signal
Delay (s)	T4 Signal SS Gap T4 Signal 60s Gap

The pulse types T3 and T4 Signal (NAC only) have three tones: T3, T4 with 5 second gap and T4 with 60 second gap. These are fixed patterns and cannot be changed.

In order for these tones to work, the hornstrobe should be set to 'No Protocol' in the NAC Options.

New features



Hornstrobe silenced by default

The default value for 'Allow Silence' is now set to 'True' on both the panel and the PC ConfigTool.



Improvements

MultipleCommandCentres









Multiple Command Centres

Command centre control

In most buildings, the manual operation of audio, smoke control and firefighter phones takes place at a designated command centre. Some critical or very large buildings require more than one command centre.

A panel is set up as a command centre by expanding the options for the 'Panel Details' and entering a number for the command centre. See example right. If the building has a single command centre, the panel is set to Command Centre Number 1



Input Action

All smoke, audio and/or phone inputs and indicators connected to the panel then become part of Command Centre 1. If a command centre comprises a very large number of manual control switches and/or push-buttons, then it is possible to combine the inputs of more than one panel into a single command centre. This allows more peripheral cards to be used. However, only one panel can be assigned as audio control in a multiple-panel command centre. This is done by selecting the 'Use for Audio Control' box.

The Axis AX system supports a maximum of two command centres.



Inhibiting/enabling a command

Many buildings require manual operations to be available only once a key switch has been inserted in the command centre console and that key switch turned to the 'Enable' position.

Inhibit Command Center

This key switch is created by setting the input action as shown below:

When the switch is in the inhibit position the audio, smoke control and phone inputs will not operate in manual mode.

Please note that when several panels are being used to build a very large single command centre, it is only necessary to use one key switch to inhibit/enable the command centre.

New features



Multiple Command Centres

New 'General Event'

A 'General Event' can be used for driving an output to indicate when a command centre is enabled.

To do this, simply configure the required output (for example an LED) by setting the 'Operating Method' to 'General Event' and the event to 'Command Center in Use'. See example below.

Primary Activation	
Operating Method	General Event
General Event	Command Center in Use

Request, grant and deny controls

An alternative system of passing control between command centres is by using push buttons. A push button on an AX-ASW16 (PC1118) can be set up by setting the 'Application' to 'Command Center Control' and then setting 'User For' to 'Request Control' which instantly passes manual control to that command centre.

Operation	
Application	Command Center Control
Used For	Request Control



New features





If necessary, additional restrictions can be introduced to deny control being taken away from an active command centre. This requires two additional push buttons to be used at each command centre. One push button should be configured as in the image below:

Operation

Application	Command Center Control
Used For	Grant Control

The other should be configured as:

Operation

Application	Command Center Control
Used For	Deny Control

When command centres have been set up in this way, pressing the button to request control will illuminate the yellow LED alongside the button to let the user know that the request is being considered. The yellow LEDs at the side of the 'Grant and Deny' push buttons will flash on the command centre in control. The person responsible can then either relinquish control by pressing the 'Grant' button or press the 'Deny' button to cancel the request.





Smoke Control







Smoke control

In the previous panel software, a user could test fans and dampers manually via the 'Fans/Dampers' menu within the 'Test HVAC' menu. A panel could also perform the test automatically using a timeclock, and the test result could be viewed via the 'Auto Tests' menu.

[Test HVAC]	
FANS AUTO TESTS MULTI SELECTORS	DAMPERS SMOKE COMPARTMENTS



New features

In the latest ULC standard, there must be a means of testing all devices in a smoke control system. Therefore, in the 'Auto Tests' menu, there is now an additional option – 'Test All'. When this is selected, the panel will display a dialogue window to ask for confirmation. If 'Yes' is selected, all fans and dampers will be tested and on completion of that test, the results will be displayed.

CAUTO TEST	RESUL PASS	TS] FAIL	IN-TEST	UNTESTED
FAN DAMPER TEST ALL	0 0	0 0	0 0	3 3

LAUT	л теет реенител	
	TEST ALL	TESTED
	No	
FAN	Yes	3
DAME		3
TEST	ALL	





Networking







Network level 3 trouble indication

It is a requirement of UL864 that when a panel is in programming mode (i.e. level 3), the system does not fu function as a fire system and a trouble should be reported

To use this feature, select 'Report on Nodes Left In Leve in the PC ConfigTool.

Network Details	*
⊡Network Options	
Node	2
Sector	1
Buzz On Remote Trouble	
Buzz On Remote Pre Alarm	
Buzz On Remote Warning	
Buzz On Remote Disablement	
Enable/Disable Other Nodes	
Report on Nodes Left In Level 3	

A new general ever 'Access Level 3 (an node)' has been introduced to allow the user to program an LED.



New features

	The LED will illuminate	LED Operation	
	if any node is at level	Text for LED outputs is not	uploaded.
	3. The existing 'System	Function Description	
	Trouble' LED should turn	EPrimary Activation Operating Method	General Event
any	continuously on along	General Event	Unused
ed.	with the 'Programming	State	Any Disablement
	with the riogramming		NACS NAC Silenced
el 3'	LED'. The panel buzzer should NOT sound.		NAC Trouble NAC Disabled Auto Silence Inhibit Reset and Sile
nt าy v n	The panel LCD display shoul 'Programming This Node' if t at level 3. Otherwise, the LC display 'Programming One N another node is at level 3.	d show he panel is D should ode' if	Access Level 1 Access Level 2 Access Level 3 Access Level 3 (any Command Center in Phones Off-Hook Connected Phone on Hold Unacknowledged Ph Phone Fault Phone Calling
	Toking the nend out of lovel	2 the Massac I	aval 2 (ap)

Taking the panel out of level 3, the 'Access Level 3 (any node)' LED, 'System Trouble' LED and 'Programming LED' should all turn off.

This 'Access Level 3 (any node)' indication is available across the network on Axis AX panels and the PENN, but not on the annunciator or BMS interface. No new event is logged in the event log.





Network degraded status

As our network is a distributed system with control units, any control unit unable to communicate with the network must indicate that it is a degraded (partial loss of network) communication) or standalone (total loss of network communication) status via a yellow LED. A new feature has been added to meet the ULC requirement that a distributed system, such as Axis AX, needs to support degraded and standalone operation with indicators for:

1. Degraded node:

This node cannot communicate with at least one other node on the system.

2. Standalone node:

This node cannot communicate with any other nodes on the system.

Four new general events are now available to program LED indication with the latest PC tool:

- Network degraded \bullet
- Network lost
- Unacknowledged network degraded
- Unacknowledged network lost



New features

For fault tolerant networks:

- 'Network Degraded' if there is more than one 'Network Trouble' on the system.
- 'Network Lost' if one node has lost network connectivity completely.

For standard networks:

- 'Network Degraded' if there is at least one 'Network Trouble' on the system.
- 'Network Lost' if one node has lost network connectivity completely.

There is no additional fault for 'Network Degraded' which is not logged in the event log. The LEDs should operate fully at level 2.

ED Operation	
Text for LED outputs is not up	ploaded.
Function Description EPrimary Activation Operating Method	General Event
General Event	Unused
State ElSecondary Activation	Troubles Any Trouble Any Trouble or Disableme AC Power Failure AC Delayed Trouble Battery Low Trouble Battery Low Trouble Any Unacknowledged Tro Ground Trouble Unacknowledged NAC Tro Unacknowledged Ground CO Gas Trouble Network Degraded Network Lost Unacknowledged CO Fau Unacknowledged Netword Unacknowledged Netword Unacknowledged Netword Unacknowledged Netword Unacknowledged Netword Unacknowledged Auto Sil Disabled
is at loast	Any Disablement



ouble

ouble Trouble

rk Degraded k Lost ilence

Telephone Panel







Continuous visual off-the-hook indicator for each warden's phone

Where a 'selective-talk' telephone service is provided, a distinctive visual indicator is required for each selectable circuit so that there is continuous indication that a telephone is off the hook.



New features

Telephone node network trouble annunciation

When a telephone panel is connected to a network system, its buzzer and trouble LED will not respond to events, including troubles from other fire panels on the same network, except for network troubles including remote network troubles from all other nodes.

The telephone will report all network faults, whether those are local or remote.



Incoming call buzzer tone

It is a new requirement that the incoming call tone should be distinct from any other alarm, supervisory or trouble signal and that a when a remote telephone is calling int the command centre, an audible tone can be heard on handset that is calling in.

The buzzer on an Advanced panel currently supports for patterns: Off, on, 0.5 seconds on/off and 1 second on/of The on pattern is for fire, the 0.5 seconds pattern for fail the 1 second pattern for supervisory and pre-alarm.



Improvements

uld	Previously the buzzer sounded using a 0.5 second patter both when there was an incoming call and also for a tree
to	This pattern is now reserved for incoming calls only. Th
the	1 second on/off pattern is used for all other non-fire even
ur ff. ult,	The ASW16 card has a programmable on-board buzzer can be configured via the PC ConfigTool for all four patt

ern ouble. le ents.

which terns.









General

Alarm re-activation

There is a new requirement for re-announcing silenced yet active alarm signals at the operator interface every 24 hours. This applies to the following alarms: Fire, CO, supervisory, trouble and plant pre-alarm.

Once an event has been acknowledged, reactivation should happen every 24 hours at level 1 or 2 until

the event is removed. Upon reactivation, the event status LEDs should flash and the panel buzzer should pulse.

The re-activation does NOT activate sounders.

To enable this feature, select multiple event types for daily re-notifications. The list can be found in:

Panel details > Notifications and it is per panel.





New features

Disablement at access level 2

Disablement actions performed via the panel menu currently require a level 2 password before the action is carried out. There is a new requirement for all disablement actions, including those instigated using programable pushbuttons, to require a level 2 password to be entered at the panel.

BMS shows CO alarms

The BMS interface can now indicate the presence of a CO alarm on the network through a 'Device Status' message.

Enable ServiceTool compatibility for AX-Penn

The ServiceTool can now be connected to an AX-Penn so that the panel information and logs can be downloaded.



General

Flash programming restrictions

UL-approved software can no longer be loaded onto ETL-approved panels and vice versa. When using the flash programming tool to re-flash a panel, the tool will indicate that it is not possible to flash if the ID code in the panel does not match the ID code in the hex file that has been loaded into the flasher tool.

Signal silence inhibit

The ConfigTool can be used to configure a site-wide time Its is also possible to period, after the first alarm, where any 'Reset' or 'Silence' configure an LED to indicate input is inhibited whilst in level 1 or level 2. that 'Reset' and 'Silence' inputs are currently inhibited.

This option can be found in the ConfigTool by navigating to:

Options > Settings > Node Defaults > General Options



Options	×	Th
⊡ Installation Options		
Indicators		inh
Control Buttons	Walk Test Alarm Duration 10 🚔 seconds	
Messages		
Command Center		2
HVAC	Reset/Silence Inhibit Time(s)	
Fans		
Dampers		
Smoke Compartments	E Fachle Auto Street	\cap i
Automatic Test Timers	Enable Auto Silence	
HVAC Indication		
Misc		11.
Test All Smoke		TDA
···· Device Options		
Feature Visibility		
····· Network Node Options		dia
····· Miscellaneous		
🖃 ··· Node Defaults		
General Options		
Service Options		
⊡ ··· Passwords		
Password 1		
Password 2		
Password 3		΄ D
Password 4		1/0
Password 5		
Password 6		
Password 7		Inr
Password 8		
Password 9		
Password 10		inl
Password 12		
Communications		
Communications		
Use these settings for new site configurations	OK Cancel	on

e range of the ibit time is 0 to 0 seconds, with ndicating that e inhibit time is sabled.

eset' and 'Silence' outs are not ibited in level 3 or subsequent alarms.









General

Canadian requirements

The Canadian National Building Code specifies that the panel needs an automatic signal silence to turn off any activated sounders after a specific time period. That time period can be between 5 to 20 minutes prior to automatic silencing. A sepa programmable LED must be available to indicate automatic silencing. Upon auto silencing, NACs should turn off and the silence LED should turn on. The panel buzzer will continue to sound and the general fault LED should be illuminated. An 'Au Silence' event should be recorded in the panel event log.

If another alarm occurs during auto silence, the sounders should be a should be a second seco resound and the auto silence LEDs should turn off. The generation fault LED should turn off if there are no other faults. If multiple alarms happen before the auto silence timeout, the NACs will turn off until after the configured auto silence time, as measur from the last alarm.

If the manual silence button is pressed before the auto silenci timeout, the NACs should be off and NAC silence LED should turn on. Auto silencing should NOT happen at the end of the a silence timeout. The latest Axis AX PC ConfigTool is required t enable this feature.

The 'Auto Silence' tick box can be found in: **Options menu > Node Defaults > General Options**



Canadian requirements New features

This setting is for the whole system and NOT per individual fire panel. The maximum time period before silence is 60 minutes and the minimum is 5 minutes.

	ptions			lwo new general eve	
rata	Installation Options → Audio Indicators	General Options		íAuto S	ilonco' and
rale	Control Buttons Messages	Walk Test Alarm Duration 10 🚔 seconds		Auto S	nence anu
	HVAC	Reset/Silence Inhibit Time(s)		'Unack	nowledged Ai
	Dampers	Enable Auto Silence		Silonco	' aro available
NAC	Automatic Lest Limers HVAC Indication	Auto Silence Time(s) 3600		SIICHUE	
	Test All Smoke			to prog	ram LEDs for
ito				automa	tic silencing
	□ Node Defaults General Options			automa	itic sitericing
	Service Options Passwords Password 1			indicati	on.
	Password 2 Password 3				
	Password 4 Password 5 Password 6		LED Ope	eration	
DIC	Password 7 Password 8		- Tex	t for LED outputs is not u	ploaded.
al	Password 9 Password 10		· · · ·		Jourgen
	Password 12 Communications		Eurotion D		
е	Use these settings for new site configuration	s		tivation	
not	L		Operatir	na Method	General Event
rad			General	Event	Unused
eu			State		Network Degraded
			⊡Secondary	Activation	Network Lost
					Unacknowledged CO Fa
					Unacknowledged Netwo
ng					Unacknowledged Auto S
					Disabled Any Disablement
					NACs
auto					NAC Silenced
\cap					NAC Trouble
0					Auto Silence
					Inhibit Reset and Silence
					User Access
					Access Level 1
					Access Level 3
					Access Level 3 (any not
					Command Center in Use

ents

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Contact

The Advanced team of fire safety experts is on hand to help you achieve fire safety peace of mind.

Simply **get in touch** to discuss your needs.



