

## **Configuration Settings**

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- Modifications to configuration settings can be made using your interactive service provider's web portal or the *Connect+ Installer™* mobile app.
- Interactive service providers may not support all configuration settings.

**Table 1 - Panel Settings**

Feature Name	Feature Description	Range	Default
Account Number	Account number used to identify the Helix	N/A	0
Dealer Number	Number used to identify the installing dealer	N/A	0
Interactive Server Check-in Time Ethernet/WiFi	Time in milliseconds between heartbeats to the interactive server for Ethernet and WiFi interfaces	0-4294967000 milliseconds	600000 (10 min)
Interactive Server Keepalive Ethernet/WiFi	Time in milliseconds between keepalives to the interactive server for Ethernet and WiFi interfaces	0-4294967000 milliseconds	90000 (1.5 min)
Central Station Receiver Check-in Time Ethernet/WiFi	Time in milliseconds between heartbeats to the central station for Ethernet and WiFi interfaces	0-4294967000 milliseconds	82799000 (23 hours)
Interactive Server Check-in Time Cellular	Time in milliseconds between heartbeats to the interactive server for cellular interfaces	0-4294967000 milliseconds	86400000 (24 hours)
Interactive Server Keepalive Cellular	Time in milliseconds between keepalives to the interactive server for cellular interfaces	0-4294967000 milliseconds	3600000 (1 hour)
Central Station Receiver Check-in Time Cellular	Time in milliseconds between heartbeats to the central station for cellular interfaces	0-4294967000 milliseconds	82799000 (23 hours)
Receiver Routing, CS Server 1	Receiver number and line number for CS server 1	N/A	0, 0
Receiver Routing, CS Server 2	Receiver number and line number for CS server 2	N/A	0, 0
Primary WiFi Credentials	Primary credentials for WiFi interface	N/A	None
Secondary WiFi Credentials	Secondary credentials for WiFi interface	N/A	None
Alarm Audio Volume	Alarm siren sounder control in the panel	On/Off	On
Status Audio Volume	Status beep sounder volume	0-7	6
Wireless Siren Status Audio Volume	Wireless siren status beeps sounder volume	0-7	6
Chime	Chime on open/close of zones	On/Off	On
Entry Delay	Standard entry delay in seconds	30-240 seconds	30
Long Entry Delay	Long entry delay time in seconds	30-240 seconds	60
Exit Delay	Standard exit delay time in seconds	45-240 seconds	60
Long Exit Delay	Long exit delay time in seconds	45-240 seconds	120
Siren Timeout	Alarm siren timeout time in minutes	1-30 minutes	4
AC Fail Detect Delay	Time in seconds AC must be failed before the panel will send a trouble condition	0-65535 seconds	60

**Table 1 - Panel Settings Continued**

Feature Name	Feature Description	Range	Default
Sensor Supervisory Time Short	Time in hours before a sensor supervisory condition is reported.	0-255 hours	4
Sensor Supervisory Time Medium			12
Sensor Supervisory Time Long			24
Event Reporting Delay	Time you have to abort the alarm before it is reported. Delay time is in seconds for reporting of alarms to central station. Life safety alarms have no delay.	1-45 seconds	30 seconds
Trouble Beep Suppression Period Start New Options	Start time for time of day when audible trouble beeps should not sound	00:00-23:59	20:00
Trouble Beep Suppression Period End	End time for time of day when audible trouble beeps should not sound	00:00-23:59	8:00
Duress PIN	PIN used to generate a duress event	4 to 10 digits	None
Quick Bypass	If enabled, allows bypass of all open zones during arming protests with a single button press	On/Off	On
Auto Bypass All	If enabled, allows automatic bypass of all open sensors at the end of arming protests (user did not bypass during protest period)	On/Off	On
Light Control During Alarms New Options	If enabled, flash all lights during burg alarms, all lights on during fire and CO alarms	On/Off	Off
Auto Stay Arming	If enabled, arming to Away will revert to Stay if no entry/exit zone is opened/closed during exit delay. This is a CP-01 requirement, Default= 1 (enabled)	On/Off	On
Exit Delay Restart	If enabled, exit delay will be restarted if an entry/exit zone is opened/closed, then opened again during exit delay. This will happen only 1 time. This is a CP-01 requirement. Default= 1 (enabled)	On/Off	On
Alarm Abort Annunciation	If enabled, 3 short beeps will be sounded 2 seconds after canceling an alarm if that alarm was canceled during the reporting delay (no alarm event sent). This is an indication to a user that no alarm event was sent. This is a CP-01 requirements. Default= 1 (enabled).	On/Off	On
Wall Tamper	If enabled, a trouble condition (or tamper alarm) will exist when panel wall tamper is detected	On/Off	On
Cover Tamper	If enabled, a trouble condition (or tamper alarm) will exist when panel cover tamper is detected	On/Off	On
Disable of Automatic Firmware Updates	When off, panel will receive automatic firmware updates when available	On/Off	Off
Disable 602 Auto Test Events to Central Station	When off, panel will send 602 Auto Test Events to Central Station	On/Off	On
Stay Arming Always Silent	When on, arming to stay mode will always be silent	On/Off	Off
Remain Connected to Interactive Server During AC Fail	If on, panel will stay connected to interactive server during AC fail	On/Off	On
Ethernet Options	Ethernet is supervised	On/Off	Off
Expansion Slot 1 Options	Expansion slot 1 is supervised	On/Off	Off
	WiFi mode	Infrastructure, Soft AP, Dynamic, Unused	Unused

**Table 1 - Panel Settings Continued**

Feature Name	Feature Description	Range	Default
Expansion Slot 2 Options	Expansion slot 2 is supervised	On/Off	Off
	WiFi mode	Infrastructure, Soft AP, Dynamic, Unused	Unused
Quick Arm	If enabled, no pin is required to arm	On/Off	On
Expansion Slot 3 Options	Expansion slot 3 is supervised	On/Off	Off
RF Translator Protocol	Protocol RF translator will listen to if installed	None, Honeywell, 2GIG, GE/Interlogix, DSC, Napcco	None
Reportable Event Types to Central Station	Alarms & Cancels	On/Off	On
	Restorals		Off
	Zone Trouble Conditions & Restorals		Off
	System Trouble Conditions & Restorals		Off
	Opening & Closings		Off
	Zone Bypass & Unbypass		Off
	System Power Trouble Conditions & Restorals		On
Reportable Event Types to Interactive Server	Alarms & Cancels	On/Off	On
	Restorals		On
	Zone Trouble Conditions & Restorals		On
	System Trouble Conditions & Restorals		On
	Opening & Closings		On
	Zone Bypass & Unbypass		On
	System Power Trouble Conditions & Restorals		On
Swinger Threshold	Number of alarms from a zone, in any arming period, when the zone is disabled. Reset by disarm (alarm cancel). This does not apply to life safety zones.	1-6	2
Temperature Thresholds	High and low temperature alarm points used with sensors that report current temperature (Trident) in degrees Fahrenheit.	0-120 0: Disabled	0
Chime on Bluetooth Wireless Siren	Off= Siren will not play zone chime tones. This is the default setting. On= Siren will play some chime tones.	On/Off	Off
Keyfob Panic Alarms Silent	Off= Police panic alarms from keypads and keyfobs cause an audible panic alarm. This is the default setting. On= Police panic alarms from keypads and keyfobs cause a silent panic alarm.	On/Off	Off
Chime Volume	Off= Chime sounds at normal status volume. This is the default setting. On= Chime sounds at high volume, and longer duration.	On/Off	Off
Alarm Cancel Annunciation	If on, two short beeps will sound two seconds after canceling an alarm, when alarm was canceled after the reporting delay expired. This is an indication that the alarm was canceled and a cancel event was sent.	On/Off	On

**Table 2 - Zone Settings**

Feature Name	Feature Description	Range	Default
Zone Name	Name used to identify specific zone	N/A	"Zone N"
Zone Reporting Code	Contact ID Reporting Code for alarms and restorals of zone	N/A	See Zone Profiles, Table 6
Zone Active Arming Levels	Arming levels the zone is active in and will report an alarm when tripped	Disarmed, Stay, Night, Away, All Off, Level 6, Level 7, Level 8	See Table 6
Zone Siren Type	Audible siren type for zone when in alarm	No Siren, Temporal 3, Intrusion, Low Level, Temporal 4	See Table 6
Zone Alarm Type	Alarm type displayed on user interfaces for zone when in alarm	No Alarm, Fire, CO, Panic, Intrusion, Tamper, Auxiliary, Low Temp, High Temp, Water Level, Silent Panic	See Table 6
Zone Entry/Exit Delay Type	Entry/Exit delay type for zone	No Delay, Standard, Long	See Table 6
Zone Supervision	Supervision period for zone	Not Supervised, Short, Medium, Long	See Table 6
Restoral Report Needed	Restoral report sent for zone	Yes/No	See Table 6
Alarm Report Delay	Alarm report delay enabled for zone	Yes/No	See Table 6
Bypass Allowed	Bypass is allowed for zone	Yes/No	See Table 6
Chime on Open	Audible door chime on open for zone	Yes/No	See Table 6
Chime on Close	Audible door chime on close for zone	Yes/No	See Table 6
Low Battery Detection	Low battery detection enabled for zone	Yes/No	See Table 6
Tamper Detection	Tamper detection enabled for zone	Yes/No	See Table 6
Follower Zone	Delay enabled for zone if Exit/Entry zone violated first	Yes/No	See Table 6
Auto Bypass Enabled	Zone can be auto-bypassed if open at the end of arming protest	Yes/No	See Table 6
Cross Zoning	Cross Zoning enabled for zone	Yes/No	No
Fire Alarm Verify	Fire Alarm Verify enabled for zone	Yes/No	No

**Table 3 - Device Settings**

Feature Name	Feature Description	Range	Default
Keyfob Unlock Button	Action assigned to the keyfob unlock button	None, Disarm, Arm to Stay, Arm to Night, Arm to Away, Arm to All Off, Arm to Level 6, Arm to Level 7, Arm to Level 8, Incremental Arming, Fire Panic, Police Panic, Auxiliary Panic, Silence Trouble Beeps	Disarm
Keyfob Lock Button	Action assigned to the keyfob lock button	See Above	Arm to Away
Keyfob Lights Button	Action assigned to the keyfob lights button	See Above	Arm to Stay
Keyfob Star Button	Action assigned to the keyfob star button	See Above	Silence Trouble Beeps
Keyfob Lock and Unlock Button Held	Action assigned to the keyfob lock and unlock buttons when pressed and held together	See Above	Police Panic
Keyfob Stay Button	Action assigned to the keyfob stay button (this button only exists on the 5 button keyfob)	See Above	Arm to stay
Mobile Device Name	Name used to identify specific mobile device	N/A	None

**Table 4 - User Settings**

Feature Name	Feature Description	Range	Default
User Name	User name credential to log into system via user interfaces	N/A	None
User Password	Password for user to log into system via user interfaces	N/A	None
User Display Name	Name for user that will be displayed in user interfaces	N/A	None
User PIN	PIN assigned for user to arm/disarm system, perform various other user functions	4 to 10 digits	None
User Authority Level	Authority levels assigned for user	Master, Installer, Dealer, System Test, Edit User Credentials, Bypass Zones	None
User Keyfob Number	Keyfob number assigned for user	1-50	None
User Allowed Arming Levels	Allowed arming levels for user	Disarm, Stay, Night, Away, All Off, Level 6, Level 7, Level 8	None

**Table 5 - Sensor Library**

Name	Inputs	Default Zone Profile
Door/Window	Reed Switch	Entry/Exit Standard
	External Input 1	Perimeter
	External Input 2	Perimeter
NanoMax Door/Window Sensor	Reed/External	Entry/Exit Standard
Indoor Motion Sensor	Motion Detected	Motion Follower
	External Input	Perimeter
Panic Pendant	Panic	Panic
Tilt Sensor	Tilt Detected	Entry/Exit Long
Smoke Sensor	Smoke Detected	Fire
CO Sensor	CO Detected	CO
Generic	Primary Alarm	Perimeter
	Momentary Alarm	Interior
	Secondary Input 1	Interior
	Secondary Input 2	Interior
Wireless Siren	None	Supervised Only
Glassbreak	Glass Break Detected	Glass Break
	Reed Switch	Perimeter
	External Input 1	Perimeter
Home Disaster	Flood	Flood
	Low Temperature	Low Temperature
	High Temperature	High Temperature
Temperature	Low Temperature	Low Temperature
	High Temperature	High Temperature
Flood and Temp Sensor	Flood	Flood
	Low Temperature	Low Temperature
	High Temperature	High Temperature
Outdoor Motion	Motion	Outdoor Motion
Universal Hardwire Translator	External Input 1	Perimeter
	External Input 2	Perimeter
	External Input 3	Perimeter
	External Input 4	Perimeter
	External Input 5	Perimeter
	External Input 6	Perimeter
	External Input 7	Perimeter
	External Input 8	Perimeter
Keyfob	None	N/A
5 Button Keyfob	None	N/A
PINpad	None	Supervised Only
Repeater	None	Supervised Only

## Table 6 - Zone Profiles

Name	Description	Alarm Type	Siren Type	Active Levels	Delay	Supervision	Restoral	CS Report	Report Delay	Bypass-able	Chime Open	Chime Close	Temper	Low Battery	Follower	Auto Bypass	Temper Alarm	Cross Zoning	Fire Alarm Verify
Fire	Fire, Heat, Smoke	Fire	Temporal 3	All	None	Medium	Yes	1110	No	No	No	No	Yes	Yes	No	No	No	No	No
CO	Carbon Monoxide	CO	Temporal 4	All	None	Medium	Yes	1162	No	No	No	No	Yes	Yes	No	No	No	No	No
Perimeter	Intrusion, Perimeter	Intrusion	Intrusion	Stay, Night, Away	None	Medium	Yes	1131	Yes	Yes	No	No	Yes	Yes	No	Yes	Yes	No	No
Entry/Exit Standard	Intrusion, Perimeter, w/Standard Delay	Intrusion	Intrusion	Stay, Night, Away	Standard	Medium	Yes	1134	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No
Entry/Exit Long	Intrusion, Perimeter, w/Long Delay	Intrusion	Intrusion	Stay, Night, Away	Long	Medium	Yes	1134	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No
Interior	Intrusion, Interior, w/No Delay	Intrusion	Intrusion	Away	None	Medium	No	1132	Yes	Yes	No	No	Yes	Yes	No	Yes	Yes	No	No
Interior Follower	Intrusion, Interior, Follower	Intrusion	Intrusion	Away	Standard	Medium	No	1132	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	No
Motion	Intrusion, Interior, Motion, No Delay, No Restoral	Intrusion	Intrusion	Away	None	Medium	No	1132	Yes	Yes	No	No	Yes	Yes	No	No	Yes	No	No
Motion Follower	Intrusion, Interior, Motion, Follower, No Restoral	Intrusion	Intrusion	Away	None	Medium	No	1132	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes	No	No
Motion Night	Intrusion, Interior, Motion, No Delay, No Restoral	Intrusion	Intrusion	Night, Away	None	Medium	No	1132	Yes	Yes	No	No	Yes	Yes	No	No	Yes	No	No
Motion Outdoor	Intrusion, Perimeter, Motion Long Delay, No Restoral	Intrusion	Intrusion	Away	Long	Medium	No	1136	Yes	Yes	No	No	Yes	Yes	No	No	Yes	No	No
Panic	Panic, Police	Panic	Intrusion	All	None	Medium	No	1120	Yes	Yes	No	No	Yes	Yes	No	No	Yes	No	No
Auxiliary	Auxiliary, No Delay	Aux	Low Level	Stay, Night, Away	None	Medium	Yes	1150	Yes	Yes	No	No	Yes	Yes	No	Yes	Yes	No	No
Trigger	Trigger zone for scenes	None	None	All	None	Medium	Yes	None	No	Yes	No	No	Yes	Yes	No	Yes	Yes	No	No
High Temperature	High Temperature	High Temp.	Low Level	All	None	Medium	Yes	1158	Yes	Yes	No	No	Yes	Yes	No	Yes	Yes	No	No
Flood	High Water Level	Water Level	Low Level	All	None	Medium	Yes	1154	Yes	Yes	No	No	Yes	Yes	No	Yes	Yes	No	No
Low Temperature	Low Temperature	Low Temp.	Low Level	All	None	Medium	Yes	1159	Yes	Yes	No	No	Yes	Yes	No	Yes	Yes	No	No
Glassbreak	Intrusion, Glassbreak	Intrusion	Intrusion	Stay, Night, Away	None	Medium	No	1131	Yes	Yes	No	No	Yes	Yes	No	Yes	Yes	No	No
Special	Special Intrusion, Disarmed only in "All Off" mode	Aux	Low Level	Disarmed Stay, Night, Away	None	Medium	Yes	1133	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No
Supervised Only	Monitored for trouble conditions only	None	None	All	None	Medium	No	None	No	Yes	No	No	Yes	Yes	No	Yes	Yes	No	No



**Table 7 - Alarm Conditions**

Condition	Reporting Code	Offset	Restoral
Medical Alarm	100	See Device Offsets	If Enabled*
Auxiliary	101	See Device Offsets	If Enabled*
Fire Alarm	110	See Device Offsets	If Enabled*
Fire Panic Alarm	115	See Device Offsets	If Enabled*
Police Panic	120	See Device Offsets	If Enabled*
Duress Alarm	121	See Device Offsets	If Enabled*
Emergency Alarm	122	See Device Offsets	If Enabled*
Intrusion Alarm	130	See Device Offsets	If Enabled*
Perimeter Alarm	131	See Device Offsets	If Enabled*
Interior Alarm	132	See Device Offsets	If Enabled*
Interior 24-Hour Alarm	133	See Device Offsets	If Enabled*
Entry/Exit Alarm	134	See Device Offsets	If Enabled*
Panel Tamper Alarm	137	See Device Offsets	If Enabled*
Zone Tamper Alarm	144	See Device Offsets	If Enabled*
24-Hour Non-Burg Alarm	150	See Device Offsets	If Enabled*
Water Level Alarm	154	See Device Offsets	If Enabled*
Freeze Alarm	159	See Device Offsets	If Enabled*
Carbon Monoxide Alarm	162	See Device Offsets	If Enabled*
High Temperature Alarm	158	See Device Offsets	If Enabled*

**Table 8 - Zone Trouble**

Condition	Reporting Code	Offset	Restoral
Zone Sequence Number out of Sync	370	See Device Offsets	Yes
Swinger Bypass	377	See Device Offsets	Yes
Cross Zone Fault	378	See Device Offsets	Yes
Zone Supervisory Failure	381	See Device Offsets	Yes
Zone Tamper	383	See Device Offsets	Yes
Zone Low Battery	384	See Device Offsets	Yes

**Table 9 - System Trouble**

Condition	Reporting Code	Offset	Restoral
Panel Tamper	316	N/A	Yes
Wireless Siren Trouble	320	See Device Offsets	Yes
Bluetooth Device Supervisory Failure	330	See Device Offsets	Yes
PINpad Trouble	330	See Device Offsets	Yes
Interface Module Failure	333	See Device Offsets	Yes
Bluetooth Device Low Battery	338	See Device Offsets	Yes
Central Station Communication Trouble	350	N/A	Yes
Interactive Server Communication Trouble	356	N/A	Yes

**Table 10 - System Power**

Condition	Reporting Code	Offset	Restoral
Panel AC Failure	301	N/A	Yes
Panel Low Battery	302	N/A	Yes
Panel Shut Down	308	N/A	Yes
Panel Battery Missing	311	N/A	Yes

**Table 11 - Open/Closing**

Condition	Reporting Code	Offset	Restoral
Opening	400	See Device Offsets	N/A
Closing	400	See Device Offsets	N/A
Cancel Alarm	406	See Device Offsets	N/A
Fail to Open*	453	See Device Offsets	N/A
Fail to Close*	454	See Device Offsets	N/A
Partial Closing	456	See Device Offsets	N/A
Exit Error	457	See Device Offsets	N/A
Recent Close	459	See Device Offsets	N/A

**Table 12 - Zone Bypass**

Condition	Reporting Code	Offset	Restoral
Zone Bypass	570	See Device Offsets	Yes

**Table 13 - System Tests**

Condition	Reporting Code	Offset	Restoral
Manual Communication Test Okay	601	N/A	N/A
Periodic Communication Test Okay	602	N/A	N/A
System Sensor Test Okay*	607	See Device Offsets	N/A
Zone Test Okay*	611	See Device Offsets	N/A
Burglary Zone Test Okay*	613	See Device Offsets	N/A
Fire Zone Test Okay	614	See Device Offsets	N/A
Programming Enter*	627	N/A	N/A
Programming Exit*	628	N/A	N/A
Latchkey Supervision*	642	See Device Offsets	N/A

**Table 14 - Device Offsets (Zone/User Field of Event Reports)**

Device	Offset
User	0
Zone	0
Interface Module	0
Keyfob	400
PINpad	500
Mobile/Bluetooth Device	600
Wireless Siren	700

*\*Not currently supported (10/9/2017)*

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