

NetLink - Security Center Integration Installation Manual



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## Section 1 – Introduction

LifeSafety Power's NetLink modules may be added to Genetec Security Center by installing the LSP Entity software package along with the Security Center SDK. Once installed, LSP Entity allows the user to add one or more NetLinks as entities, allowing Security Center to have access to the NetLink's status and control features, as well as provide a link to the NetLink's browser interface directly from within Security Center. This manual assumes the user is already familiar with Genetec's Security Center application and LifeSafety Power's NetLink module. For more information, consult the Security Center or NetLink documentation.

### 1.1 LSPEntity Architecture

LSPEntity integrates LifeSafety Power NetLink® (NL) devices into Security Center.

Security Center saves the NetLink's IP, Port number, username, password, and SNMPv3 Trap Receiver messages to entity properties.

LSPEntity enables users to import NetLink information from the Entities configure page and once imported, the NL devices will appear in the configure page. LSPEntity then generates the authentication information, so users can directly log into NetLink's home page via the NL hyperlink.

LSPEntity uses SNMP trap messages to receive NetLink status changes and generates custom events to Security Center from those trap messages.



### Section 2 – Installing the LSP Entity Application

The LSP Entity application must be installed on the PC which is running Security Center. The installation package will also install the Genetec Security Center SDK on the machine if not already installed.

NOTE: It is strongly recommended to disable all antivirus software before installation.

#### 2.1 Install the LSP Entity Application

Please follow the steps below closely to properly install the LSP Entity software.

- 1. Ensure any previous version of LSP Entity is uninstalled completely from the PC.
- 2. Copy the LSP Entity installation files to the hard drive of the PC.
- 3. Open "LSPEntity x.xx.exe" (where "x.xx" is the version number) and click "Yes" or "Run" if the warning regarding "unknown publisher" appears (Figure 1).

User Account Control Do you want to allow this app from an unknown publisher to make changes to your device?						
LSPEntity 1.00.exe Publisher: Unknown File origin: Hard drive on this con Show more details	nputer					
Yes	No					

Figure 1

4. When the Installation Wizard appears, click Next (Figure 2).



Figure 2

5. Read and accept the license agreement, then click Next (Figure 3).



Figure 3

6. When the "Ready to Install" window appears, click Install (Figure 4).

🖟 LSPEntity - InstallShield Wizard			Х
Ready to Install the Program The wizard is ready to begin installation	۱.		と
Click Install to begin the installation.			
If you want to review or change any or exit the wizard.	f your installation settin	gs, click Back. Cl	ick Cancel to
To the left of d			
Instalisnieid	< Back	Install	Cancel

Figure 4

7. When the installation is complete, click Finish (Figure 5).





### 2.2 Install the Genetec Security Center SDK

Please follow the steps below closely to properly install the Genetec Security Center SDK

8. From the Start Menu, click "Launch LSPServer.exe" to open the LSPEntity management interface (Figure 6).



Figure 6

9. Click "Yes" or "Run" if the warning regarding "unknown publisher" appears (Figure 7).

User Account Control Do you want to allow th unknown publisher to r device?	× nis app from an make changes to your
LSPServer.exe Publisher: Unknown File origin: Hard drive on this con Show more details	nputer
Yes	No



10. When opened for the first time, the LSPServer application will alert the user that the Genetec Security Center SDK is not installed. Click OK to unzip the files (Figure 8).



Figure 8

11. Choose a location for the files and click Unzip. When finished, click OK, then Close (Figure 9).



Figure 9

12. When the SDK Installation Wizard appears, click OK (Figure 10).



13. At the welcome window, click Next (Figure 11).



Figure 11

14. Read and accept the license agreement, then click Next (Figure 12).



Figure 12

15. Leave the default destination folder or select the folder where Security Center is located, then click Next (Figure 13).

/ Genetec	×	
Destinati Click Nex	on Folder tt to install to this folder, or click Change to install to a different folder.	と
Þ	Change	
InstallShield -		
	< Back Next >	Cancel

Figure 13

16. Ensure that "Create default firewall rules for Genetec Security Center x.x SDK" is selected, then click Next (Figure 14).



17. At the Ready to Install window, click Install (Figure 15).

🙀 Genetec™ Security Center 5.7 SDK - InstallShield Wizard	×
Ready to Install the Program The wizard is ready to begin installation.	と
Click Install to begin the installation.	
If you want to review or change any of your installation sett exit the wizard.	ings, click Back. Click Cancel to
InstallShield	
< Back	Install Cancel

Figure 15

18. Ensure that "Automatically check for updates for all installed Genetec products" is selected, then click Next (Figure 16).



Figure 16

19. When the installation is complete, click Finish (Figure 17).



Figure 17

## Section 3 – Adding NetLink modules to Security Center

### 3.1 Logging into LSPEntity

Please follow the steps below closely to log into the LSPEntity application.

1. Open "Launch LSPServer.exe" from the Start menu to open the LSPEntity management user interface (Figure 18).

Advanced	Custom Entity					-		×		
	LSP Custom Entities									
		Introductio	on							
Please enter Custom Enti	the Directory, Usename ty or Click "Remove CET	and Password to Log in as D" to remove LSP Custom E	an admin use ntity .	er, then (	Click "Creat	te CETD" to	create a	LSP		
	Directory:	127.0.0.1		]						
	Usename:	admin		]						
	Password:	•••••		]						
	Login	Log in as an admin use	r							
		CustomEntityType	Descriptor							
The Custom For this exar	EntityTypeDescriptor Na nple, the DLL is called L	me and Guid are retrieved f SPCommon.dll. The CETD us	rom a "Comn ed throughoi	non" DL ut this e	L shared be kample is n	etween the named "LSP	Server a NetLink	nd Clier '.		
Name	LSPNetLink									
Guid:	758c5e08-2d08-4d4c-	975f-9227373554e9								
Create CETD	Create a CustomEntity	TypeDescriptor using the na	me and guid	above,	with all cap	abilities er	nabled			
Remove CETD	Removes the CETD fro	m the server .								

Figure 18

2. Enter the Genetec Security Center directory, user name, and password and click Login. If the login is successful, a popup will appear with the number of found LSP entities (Figure 19).



Figure 19

### 3.2 Create a NetLink CETD (Custom Entity Type Descriptor)

If a CETD has not been previously created, follow the steps below to add the CETD for LSP NetLink modules to Genetec Security Center.

3. From the LSPEntity window, click the Create CETD button (Figure 18). A popup will appear when the CETD is created successfully (Figure 20).



Figure 20

#### 3.3 Add NetLink Entities to Security Center

Once a CETD has been created, follow the steps below to add LSP NetLink modules to Genetec Security Center.

4. Open Genetec Security Center and navigate to Config Tool > Area View > Add an Entity and select LSPNetLink (Figure 21).



Figure 21

Enter the Device Type, SiteID, IP address, HTTPS port, user name, and password for the NetLink to be added. Enter the SNMP V3
user name and password and the SNMP Port (ensure the information added matches the information on the configure page of the
NetLink board). (Figure 22)

Search 📍				Identity LSPNetLink Configs		
I III LSPNetLink		HyperLink Trap Settin	g SQL Settings			
		NetLink Settings		NetLink List		
		Device Type	NL4 •	SiteID NL4	IP Address https://10.0.0.44	View
		SiteID	NL4			
			10.0.0.44			
		Https Port	443			
		Username	admin			
		Password	•••••			
		V3Username	lsp			
		V3Password	•••••			
		SNMP Port	161			
			Add			
					Save Delete	
🕂 Add an entity 🔀 Delete 🚸	Maintenance -					

Figure 22

6. Enter the SNMP Port (matching the SNMP port on the configure page of the NetLink). If the NetLink is translated via an IP converter, please configure the SNMP port to be accessible as a UDP port and link this port to the NetLink. (Figure 23)

		HyperLink Trap Setti	ng) SQL Settings
		NetLink Settings	
HOME Reporting Configure	Tool	Device Type	NL4 -
		SiteID	NL4
SNMP Settings			10.0.0.44
Basic		Https Port	443
Busic		Username	admin
		Password	•••••
Read Community: publicread	m	V3Username	kp
Write Community: aubliqueite		V3Password	•••••
White Community. publicwinte	<u> </u>	SNMP Port	161
Location: LSP	m		
Port #: 161	m		
Trap Type: Inform 🧹			
Submit			Add

Figure 23

7. Once the information is entered, click Add to save the NetLink hyperlink and the NetLink will be added to the NetLink List. (Figure 22)

8. Ensure the firewall inbound and outbound rules are configured to allow access to the SNMP port entered above. (Figure 24).



Figure 24

9. Once added, click the View button to access the NetLink's browser interface (Figure 25).

LifeSafety Power®		-	-	Powe	rCom	<sup>®</sup> powe	ER SYSTI	EM MANAGE	R
HOME Reporting Configure	e <u>Tools</u>				admin	Log Out		Ver:	9.17
Client ID	Genetec Te	est							i
SITE ID	NL4-2440-0	018							
Date	Sat Aug 10	2019		Time	e 09:37:5	9			
Network Module Dashboard	ł							NL4 ver:1.1	0
Enclosure Temperature	47.75	°C	Viev	v/Export past	1000	point(s) h Fault Dat	nistory a Only	View Data	
CurrentSense1	-0.73	Amp		Device On/	Off Control		Te	mnerature	
CurrentSense2	-0.54	Amp		1 •	0 2	۲	0	•	
ADC1Reading	0.00	VDC	ON	OFF	ON	OFF	۴F	°C	
Event1	Inactive		Co	ontrol 1	Cont	rol 2			
Service Due	No		Co	ontrol 1	Cont	rol 2			
Control 1 Off	Control 2	Off				Submit			
NL4 Connected Devices	Normal 🔵	Trouble 😑	Fire Alarm (	Service	•				
Device 1			Device 2	2					
	Model:	FPV6					Model:	<u>FPV104</u>	
	Voltage:	12.70 VDC					Voltage:	24.90 VDC	
	Device ID:	FP-1				D	evice ID:	FP-2	,

Figure 25

#### 3.4 Configure SNMP Traps

Once a the NetLink Entity has been added to Security Center, the SNMP traps can be configured to allow reporting of NetLink events directly into Security Center.

10. Open the "LSPNetLink Configs" page, select the "Trap Settings" tab, and add an SNMP V3 Trap Receiver. Select "Enable Trigger Event" to create an event when a NetLink Trap is received. Note that all LSP NetLink modeuls share the Trap Receiver settings and SNMP v3 Trap Receiver, but trigger event settings are indepent. The SNMP version selected should be consistent with the SNMP version selected on the NetLink. If SNMPv3 is selected, a user name and password must be added. (Figure 26)

< > 📫 📰 LSPNetLink				
Search		Identity LSPNetLink Configs		
LSPNetLink	HyperLink Trap Setting			
	Trap Receiver Settings	SNMPv3 Trap Receiver		
	Receive v1 Trap			
	✓ Receive v2 Trap	V3TrapDialogBox		
	Port 162	Usename Isp		
		Password		
	Enable Trigger Event	Confirm Password		
	Z Enable Trigger Event	Add Cancel		
	Save			
			Add Delete	
🕂 Add an entity 🗙 Delete 🔶 Mair	itenance -			
📕 २ ० म्र	e 😐		8 () 49 4	◎ 骊 聖 di) ENG 1:05 AM 10/5/2019 号1

Figure 26

11. Open the NetLink's reporting page and select the events to reported. (Figure 27).

♦ PowerCom Network Manane PowerCom Network M     ← → C ▲ Not secu	anager ire   10.0.0.18:8443/nl4frameset	.html?csrftoken=3	2373639646631612d	376533392d3462						±	• ×	
	LifeSafety Power				Power	Com® PO	WER SYSTEM MA	ANAGER				
	HOME Reporting	Configure	Tools			admin <u>Log Ou</u>	t	Ver: 9.30.12	2			
		Client ID	Genetec Test						î.			
		SITE ID	NL4-2440-018	1								
	Send Email Report	Date	Thu Sep 05 20	019	Tim	e 13:38:40						
	Alert Enable On											
	System Fault	✓	Event1		Battery End of Life		Service Reminder	· •				
	AC Fault	<ul> <li>Image: A second s</li></ul>	FAI Active	¥	Battery Condition		Device Detect	e e				
	Battery Backup Time	✓	ADC1Reading		CurrentSense1		CurrentSense2	. e				
				Submit								

Figure 27

12. Open the NetLink's Configure page. In the SNMP Settings section, enter the SNMP Trap Receiver IP address and port number and select the trap version. The receiver IP is the IP address of the PC which is running Security Center. Ensure any firewall will allow the SNMP trap connections. Note that the SNMP traps use the UDP protocol. (Figure 28).

🖉 🌸 PowerCom Network Manage	r × 🕂						
← → C 🔺 Not secu	re   10.0.0.18:8443/nl4fram	eset.html?csrftoken=	32373639646631612d37653	3392d3462			☆ 😩 🗄
	LifeSafe Power®	ty		Pow	erCom <sup>®</sup> POWE	R SYSTEM MANAGI	ER
	HOME Reportin	ig Configure	Tools		admin <u>Log Out</u>	Ver: 9.	.30.12
	SNMP Settings						<b>^</b>
	Ba	sic	Se	curity Name		V3 User	
			Name	Source Network	User Name	Password	
	Read Community:	publicread	mynetwork	192.168.1.0/24	🗆 Isp	12345678	
	Write Community:	publicwrite	mynetwork	10.0.0/24	sts	87654321	
	Location:	LSP					
	Port #:	161					
	Trap Type:	Trap 🔻					
	Sub	mit	Submit	Delete	Submit	Delete	
	SNMP Traj	Receiver	Π	aps Version	SNM	P Inform Log	
	IP	Port					
	10.0.0.28	162	Select	Traps Version V3 •	Show I	nform Log	
	Submit	Delete					

Figure 28

 From the Security Desk home page, open the Monitoring task and select LSPNetLink to monitor. SNMP traps will be received automatically and events will be generated in Security Center if "Enable Trigger Event" is selected. Click "Event Test" to generate a test event. (Figure 29).

🏠 Security Desk 🛛 👫 Monitoring	×		🐻 📢 📢 🚺 Thu 1:44 PM 📃 🖽 🔤
Search 📍 📘	LSPNetLink		Tile
🖌 🍨 W541	Stop Monitor	Event Test	
LSPNetLink			
	Time 9/5/2019 11:29:01 AM	IP Address 10.0.0.18	Event Device is entering: 2 FPV device is entering. List: Number of FPOs = 0, Number of Mis = 0, Number of FPOs = 0, Number of
	9/5/2019 1:13:40 PM	10.0.0.18	ADC1Reading: Voltage under lower limit, Read: 0.02 V, Set: 10.00 V
	9/5/2019 1:16:56 PM	10.0.0.18	CurrentSense1: Current under lower limit, Read: -0.83 A, Set: 3.00 A
	9/5/2019 1:17:37 PM	10.0.0.18	CurrentSense2: Current under lower limit, Read: -0.58 A, Set: 3.00 A
	9/5/2019 1:21:09 PM	10.0.0.18	Service due status: Yes, Reminder message: Reminder Message
	9/5/2019 1:37:44 PM	10.0.0.18	FP2 AC fault status: Yes
	9/5/2019 1:38:27 PM	10.0.0.18	FP2 AC fault status: No
	9/5/2019 1:39:52 PM	10.0.0.18	MB - Ougud 5 FAI status Active MB - Ougud 7 FAI status Active
	9/5/2019 1:39:52 PM	10.0.0.33	Device is leaving: One M8 device is leaving, Last: Number of FPOs = 1, Number of M8s = 2, Number of FPVs = 0, Now: Number of FPOs = 1, Number of M8s = 1, Number of FPVs = 0
	9/5/2019 1:40:05 PM	10.0.0.18	148 2-Odopt 1: Eff Sature Active 448 2-Odopt 2: Eff Sature Active 448 2-Odopt 2: Eff Sature Active 448 2-Odopt 2: Eff Sature Active 448 2-Odopt 5: Eff Sature Active 448 2-Odopt 5: Fif Sature Active 448 2-Odopt 7: Eff Sature Active
	9/5/2019 1:40:18 PM	10.0.0.18	FP1 FAI status: Active FP1 system fault status: Yes
	9/5/2019 1:40:32 PM	10.0.0.18	FP2 FAI status Active
	Trap Recevie Status: Run	ining; Events: 17	
K Hide area view K Monitoring (1) ON Sy	vnchronize video 🛛 📑 Chang	ge tile pattern 🛛 🐻 Clear :	🖬 Open the Vault 🛛 Hide dashboard
📀 📄 😜 📀 🛛	💐 🚱 🛓		EN 🐻 🐺 🗆 🔯 👘 1344 PM 9/5/2019

Figure 29

14. To allow LSPNetLinkAlert events to automatically trigger an action, go to the Area View page in the config tool, select the LSPNetLink Entity, and click the Identity Tab. Select "Actions" and click "+" to create an Event-to-Action as shown. (Figure 30).

Contra 1 244 / Do Padans				- Charles		📑 📢 👰 👔 Thu 3:24 PM 📃 🖻 😣
< > 🛤 📰 LSPNetLink						
Search			ldentity LSF	PNetLink Configs		
• Edistro-LANINGO                 • - ISPNetice                 • ISPNetice                 •	LSPNetLink SPNetLink  ISPNetLink INDIANAL COLOR INTERNAL COLOR INT	Event to action Where Action User, User group: Sound to play: Effective	I Servetink Alert Specify a sound P Ray a sound P Ray a sound Bells Always	Pketlink Configs	occus	
🛨 Add an entity 🗙 Delete 🛛 💠 Maintenance 🕶						
🖷 🔎 O 🖽 📑 🤤 🚸						🗍 🍓 📉 🌆 🔛 🕼 ENG 🛛 3-24 PM 🛛 🖵

Figure 30

#### 3.5 Configure SQL

After configuring the SNMP traps, the SQL settings should be configured.

15. Open the "LSPNetLink Configs" page, select the "SQL Settings" tab, and enter the SQL server's IP address, the save path for the SQL server machine (or select another folder), and enter a name for the database. If the SQL server is on the local host, login with Windows Authenticaltion, otherwise you must choose an SQL server account to log into by entering a user name and password. Click the save button to save the SQL settings. (Figure 31)

QL Settings		SQL Settings	
Authentication	Windows Authentication *	Authentication	SQL Server Authentication
Server Name	127.0.0.1	Server Name	127.0.0.1
Database	NetlinkDB	Database	NetlinkDB
Save Path	CA	Save Path	CA
		Login	LSP
		Password	••••
	Test		Test Save

Figure 31

16. Configure the SQL Server to support remote access. (Figure 32)



Figure 32

17. Add the SQL account to the sysadmin group. (Figure 33)

🗆 🛄 Logins	X
Select a page	🖾 Script 🔻 🚺 Help
Server Roles User Mapping Securables	Server role is used to grant server-wide security privileges to a user.
e de server en la constante de	Server roles:   bulkadmin  dbcreator  diskadmin  pmcessadmin  youlic  securityadmin  serveradmin  v synadmin
Connection	

Figure 33

18. Enable TCP/IP and add port 1433 to all IPs. (Figure 34)

Figure 34

19. Configure an inbound rule on the firewall to allow TCP port 1433. (Figures 35 and 36)

Provide the terminal with Windows Defender Firewall with	Advanced Security							
File Action View Help								
🗢 🄿 🖄 🖬 🔂 🖬								
Windows Defender Firewall with Inbound Rules Connection Security Rules Monitoring	Inbound Rules Name Name New Inbound Rule Wizard Rule Type Select the type of firewall rule to of Steps: Rule Type Protocol and Ports Action Profile Name	d create. What typ Rule Prog Rule Pred Rule Cust Cust	Group be of rule would you like to pram that controls connections that controls connections lefined: rewallAPI.dll,-80200 that controls connections om om nule.	Profile o create? for a program. for a TCP or UDP por	t.	Action	Override	Program

Figure 35

Pindows Defender Firewall with	Advanced Security								
File Action View Help									
Windows Defender Firewall with	Inbound Rules		<u>^</u>						
Cutbound Rules	Name		Group	Profile	Enabled	Action	Override	Progra	
Connection Security Rules	💣 New Inbound Rule Wizard							×	
> 🛃 Monitoring	Protocol and Ports								
	Specify the protocols and ports to	which this rule ap	plies.					ł	
	Steps:							]	
	Rule Type	Does this	rule apply to TCP or UDP	P?					
	Protocol and Ports	TCP						ł	
	<ul> <li>Action</li> </ul>	O UDF						ļ	
	<ul> <li>Profile</li> </ul>								
	Name	Does this	rule apply to all local port	ts or specific local por	ts?			ł	
			ocal ports					•	
		Spe	cific local ports:	1433					
				Example: 80, 443,	5000-5010				
								}	
								•	
								l	
								ļ	

Figure 36

## Section 4 – Using the Integration

### 4.1 System Status

Once configured, the power supply system status and data may be read through Security Center.

1. Before receiving SNMP data for the first time, only the NetLink tab will be shown with an empty parameter table. (Figure 37)

h Y De LSPNetLink
DESITOP OF WEI
LSPNetLink Stop Monitor Event Test
Power Alexi Power Data Programming
10.0.0.107 • Refresh Data Immediately Data Auto Refresh Every 5 Minutes
/ Netlink
rap Receive status running teenas U
ide area view 🙀 Montoineg (i) 👓 Synchronize video 🔢 Change bis pattern 😼 Carage bis pattern 🖓

Figure 37

2. Once data is received, tabs for any connected power supply and M8 boards will display. (Figures 38, 39, and 40)

Search 📍	1 SPNetLink							
A 💌 DESKTOP-Q64V6BI								
ISPNetLink	Stop Monitor Event Test							
	Power Alert Power Data Programming							
	10.0.0.107 • Refresh D	Jata Immediately Uata Auto Kerresh Every 3 Minutes						
	NetLink FP1 FP2 M8-1 M8-2							
	Parameter	Value						
	Time	Fri Dec 11 2020 16:40:09						
	SiteID	NL4-2440-107						
	CabinetInternalTemperature	40.90 Deg.C						
	CurrentSense1	-0.14						
	CurrentSense2	-0.09						
	ExternalTemperature	0.00 Deg.C						
	ADC1Reading	0.02						
	ADC2Reading	NULL						
	Event1	Inactive						
	CNTRL1	OFF						
	CNTRL2	OFF						
	DeviceDetectCnt	PPO devicenum () M8 devicenum : 2 PPV devicenum :2 PPS devicenum :0						
	NextServicedue	Yes Service De Ver						
	Status	Servicible Yes						
	version							
	Trap Receive Status: Running; Events: 0							
Hide area view G Monitoring (0) 90	Synchronize video 🗮 Change tile pattern 🐻 Clear all							

Figure 38

## Section 4 – Using the Integration (continued)

Search	<b>?</b>	1 Bee LSPNetLink					
A 🔍 DESKTOP-064V6BI	$\equiv$						
I SPNetLink		Stop Monitor Event Test					
controlent.							
	Power Alert Power Data Programming						
		192.168.2.234 • Refresh D	ata Immediately Data Auto Refresh Every 5 Minutes				
		Netlink ED1 ED2 ED3 ED4 ED	25 ED6 ED7 ED8 ED0 ED10 ED11 ED12 M8.1 M8.2 M8.4				
		Parameter	Value IC= D=-11 2020 164025				
		Channel 1 Description	12				
		Channel 1 Veltage	12				
		Channel 1 Current	1234				
		Channel 1 Perver					
		Channel 1 PowerPondu					
		Channel 1 Controllenut					
		Channel 1 EAIState					
		Channel 1 Statur	Induive				
		Channel 1 OtlinoutTune	Nomiai				
		Channel 1 Output ord broa	Noniaiy Open				
		Channel 1 UnlockOnEAIActivation	integrand and a second and as second and a				
		Channel 1 UnlockOnticl orr	Na				
		Channel 1 EmailAlertOnFault					
		Channel 1 Voltagel overlimit	A 640				
		Channel 1 Voltage Inner I imit	16.040				
		Channel 1 Currentl owerl imit					
		Channel 1 Current Loner Limit					
		Channel 1 Enable	Cashiel				
		Channel 1 Reset	in Northa				
		Channel 2 Description	12				
		Channel 2 Voltage	1234				
		Channel 2 Current	0.00				
		Channel 2 Power	0.00				
		L					
		Tran Receive Status: Running: Events: 0					
		in the second seco					
	<u> </u>	_					
Hide area view 🚭 Monitoring (0)		Synchronize video 🗧 Change tile pattern 🔯 Clear all					

Figure 39

wer Alert Power Data Programming	
.193.112.1 • Refresh	Data Immediately Data Auto Refresh Every 5 Minutes
NetLink	
rameter	Value
me	
hinetletern allemnerature	
urrantSense1	
irrentSense2	
ternalTemperature	
C1Reading	
C2Reading	
ent1	
NTRL1	
NTRL2	
eviceDetectCnt	
extServicedue	
atus	
rsion	

Figure 40

### Section 4 – Using the Integration (continued)

3. To change the available parameters, navigate to the Programming tab, select the tab for the board to configure, and enter the appropriate value(s). (Figure 41)

Security Desk R Monitoring	×	0 5 4
iearch 📍	1 ESPNetLink	
a 💐 desktop-064v6bi		
LSPNetLink	Stop Monitor Event Test	
	Power Alert Power Data Programming	
	10.0.44:443	
	NetLink FP1 FP2 M8-1	
	Parameter Set Value	Desc
	BatteryFaultDetect	Submit Active or Inactive for Battery Fault Detect. For AQL/FPV.
	BatteryTestStatus	Submit Battery discharge test status, Active or Inactive
	BatteryScheduleTestDateTime	Submit e.g. Enter '2020-01-01 23:01:59' to configure Battery Schedule Test DateTime
	RepeatTestInterval	Submit Repeat Test Interval (Days) for Battery Schedule Test DateTime
	RatedBatteryLife	Submit FPO battery lifetime.
	RatedCapacity	Submit Battery capacity.
	RequiredBatteryRuntime	Submit Required Battery Runtime.
	OutputResetDelay	Submit Output Reset Delay Seconds for AQU/FPV-G2/FPG/FPO-G2.
	ResetOutput	Submit Enter 'Active' to reset output for AQU/FPV-G2/FPG/FPO-G2.

Figure 41

Available parameters and their values are:

- Battery Fault Detect (Active or Inactive) Enables or disables battery presence detection. This setting is for AQL or FPV power supplies only.
- Battery Test Status (Testing or Inactive) Starts an automated battery test.
- Battery Schedule Test Date Time Enter a date and time in the format of "2020-01-01 23:01:59" to schedule an automated battery test.
- Repeat Test Interval Enter a number in Days to repeat the battery test. Example: Enter "365" to run the scheduled battery test once per year.
- Rated Battery Life Enter a number in Years for battery replacement. Example: Enter "4" to set the battery replacement time to four years.
- Rated Capacity Enter a number in Amp Hours to indicate the installed battery size. Example: Enter "12" to indicate a 12 amp-hour battery set.
- Required Battery Runtime Enter a number in Hours to indicate the minimum required standby time for the system. Example: Enter "4" to indicate four hours of required standby.
- Output Reset Delay Enter a number in Seconds to indicate the lengh of the power cycle of the main output for power supply with a main output reset feature.
- Reset Output (Active) Setting this field to Active will begin the main output reset.

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#### LifeSafety Power

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