

# **SIEMENS**

## **OPC Interface Specifications Version 4.0**

### **MXL**

**Document No.** A6V10429331  
**Edition** 2019-04-30

## MXL Fire Panel

This workbook describes the objects provided by the Siemens OPC Data Access Server to represent the MXL fire control unit

### Legend

ID	Object Model	Description																																										
<ID>	<Object Model>	<Description>																																										
		<table border="1"> <thead> <tr> <th colspan="3">States</th> <th colspan="4">Commands on OPC Item Mode</th> </tr> <tr> <th>OPC Item PresentValue</th> <th>OPC Item Mode</th> <th>Result State</th> <th>1 - Activate</th> <th>2 -</th> <th>5 -</th> <th>6 -</th> </tr> </thead> <tbody> <tr> <td>0-Quiet</td> <td>1-Normal</td> <td>Normal</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1-Pre Alarm</td> <td>1-Normal</td> <td>Pre Alarm</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>16-Abnormal</td> <td>1-Normal</td> <td>Anomaly</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2-Alarm</td> <td>1-Normal</td> <td>Alarm</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	States			Commands on OPC Item Mode				OPC Item PresentValue	OPC Item Mode	Result State	1 - Activate	2 -	5 -	6 -	0-Quiet	1-Normal	Normal	X				1-Pre Alarm	1-Normal	Pre Alarm					16-Abnormal	1-Normal	Anomaly					2-Alarm	1-Normal	Alarm				
States			Commands on OPC Item Mode																																									
OPC Item PresentValue	OPC Item Mode	Result State	1 - Activate	2 -	5 -	6 -																																						
0-Quiet	1-Normal	Normal	X																																									
1-Pre Alarm	1-Normal	Pre Alarm																																										
16-Abnormal	1-Normal	Anomaly																																										
2-Alarm	1-Normal	Alarm																																										

### Notes

The Object Model defines the states and commands of all instances of that type. In particular, an Object Model virtualizes a class of physical objects (devices and points in the system) by means of specific properties.

In the OPC interface, the physical object is represented by an instance of an Object Model that contains *PresentValue* and *Mode* properties represented by two VT\_UI4 OPC Items. An appropriate combination of these two values defines the real state of the instance (result state). When a command is issued, it acts on the Mode property only. This results in changing the state of the instance.

To identify the Object Model of each object instance, open the CSV export file with a spreadsheet program and refer to the Object Model column (See also *Example of Exported CSV File* in section *OPC Server* of the online help).

ID	Object Model	Description					
MXL-0010	MXL Audio Control Module	Master Control Modules for MXLV audio systems.					
<b>States</b>			<b>Commands on OPC Item Mode</b>				
	<b>OPC Item PresentValue</b>	<b>OPC Item Mode</b>	<b>Result State</b>	<b>4 - Enable</b>	<b>5 - Disable</b>	<b>\</b>	<b>\</b>
	0-Quiet	1-Normal	Normal		X		
	3-Fault	1-Normal	Fault		X		
	267-Non Default Mode	12-Disabled	Disabled	X			

ID	Object Model	Description				
MXL-0020	MXL Audio Supervision Device	Audio Supervision Card for amplifiers outputs supervision.				
			<b>States</b>		<b>Commands on OPC Item Mode</b>	
	OPC Item PresentValue	OPC Item Mode	Result State	4 - Enable	5 - Disable	\
	0-Quiet	1-Normal	Normal		X	
	3-Fault	1-Normal	Fault		X	
	267-Non Default Mode	12-Disabled	Disabled	X		

ID	Object Model	Description					
MXL-0030	MXL Audio Voice Module	Digital Message Card for MXLV audio systems.					
<b>States</b>			<b>Commands on OPC Item Mode</b>				
	<b>OPC Item PresentValue</b>	<b>OPC Item Mode</b>	<b>Result State</b>	<b>4 - Enable</b>	<b>5 - Disable</b>	<b>\</b>	<b>\</b>
	0-Quiet	1-Normal	Normal		X		
	3-Fault	1-Normal	Fault		X		
	267-Non Default Mode	12-Disabled	Disabled	X			

ID	Object Model	Description						
MXL-0040	MXL Audio Zone Device	Modules for audio amplification supervision and channel audio enhancements.						
<b>States</b>			<b>Commands on OPC Item Mode</b>					
<b>OPC Item PresentValue</b>	<b>OPC Item Mode</b>	<b>Result State</b>	<b>6 - Activate</b>	<b>7 - Deactivate</b>	<b>33 - Enable Input</b>	<b>34 - Disable Input</b>	<b>35 - Enable Output</b>	<b>36 - Disable Output</b>
0-Quiet	1-Normal	Normal	X	X	X	X	X	X
2-Alarm	1-Normal	Alarm	X	X	X	X	X	X
3-Fault	1-Normal	Fault	X	X	X	X	X	X
267-Non Default Mode	12-Disabled	Disabled	X	X	X	X	X	X

ID	Object Model	Description				
MXL-0050	MXL Control Zone Device	Modules for fan, LED, speaker strobe zones control.				
<b>States</b>			<b>Commands on OPC Item Mode</b>			
<b>OPC Item PresentValue</b>	<b>OPC Item Mode</b>	<b>Result State</b>	<b>33 - Enable Input</b>	<b>34 - Disable Input</b>	<b>35 - Enable Output</b>	<b>36 - Disable Output</b>
0-Quiet	1-Normal	Normal	X	X	X	X
2-Alarm	1-Normal	Alarm	X	X	X	X
3-Fault	1-Normal	Fault	X	X	X	X
267-Non Default Mode	12-Disabled	Disabled	X	X	X	X

ID	Object Model	Description							
MXL-0060	MXL Conventional Module	Module providing auxiliary control of building functions, such as door holder release, elevator capture, smoke control, lock release, and so on.							
			States		Commands on OPC Item Mode				
			OPC Item PresentValue	OPC Item Mode	Result State	4 - Enable	5 - Disable	\	\
			0-Quiet	1-Normal	Normal			X	
			3-Fault	1-Normal	Fault			X	
			267-Non Default Mode	12-Disabled	Disabled	X			



ID	Object Model	Description							
MXL-0070	MXL Conventional Zone Device	Intelligent devices to connect a single zone of conventional devices to an analog loop.							
			States		Commands on OPC Item Mode				
			OPC Item PresentValue	OPC Item Mode	Result State	4 - Enable	5 - Disable	\	\
			0-Quiet	1-Normal	Normal			X	
			3-Fault	1-Normal	Fault			X	
			267-Non Default Mode	12-Disabled	Disabled	X			

ID	Object Model	Description							
MXL-0080	MXL Default Module	Modules for output supervision especially for voice applications.							
			States		Commands on OPC Item Mode				
			OPC Item PresentValue	OPC Item Mode	Result State	4 - Enable	5 - Disable	\	\
			0-Quiet	1-Normal	Normal			X	
			3-Fault	1-Normal	Fault			X	
			267-Non Default Mode	12-Disabled	Disabled	X			

ID	Object Model	Description				
MXL-0090	MXL Detector Device	Smoke and fire detectors.				
<b>States</b>			<b>Commands on OPC Item Mode</b>			
<b>OPC Item PresentValue</b>	<b>OPC Item Mode</b>	<b>Result State</b>	<b>33 - Enable Input</b>	<b>34 - Disable Input</b>	<b>35 - Enable Output</b>	<b>36 - Disable Output</b>
0-Quiet	1-Normal	Normal	X	X	X	X
2-Alarm	1-Normal	Alarm	X	X	X	X
3-Fault	1-Normal	Fault	X	X	X	X
267-Non Default Mode	12-Disabled	Disabled	X	X	X	X

ID	Object Model	Description				
MXL-0100	MXL Fire Detecor Device	Smoke and fire detectors.				
<b>States</b>			<b>Commands on OPC Item Mode</b>			
<b>OPC Item PresentValue</b>	<b>OPC Item Mode</b>	<b>Result State</b>	<b>33 - Enable Input</b>	<b>34 - Disable Input</b>	<b>35 - Enable Output</b>	<b>36 - Disable Output</b>
0-Quiet	1-Normal	Normal	X	X	X	X
2-Alarm	1-Normal	Alarm	X	X	X	X
3-Fault	1-Normal	Fault	X	X	X	X
267-Non Default Mode	12-Disabled	Disabled	X	X	X	X

ID	Object Model	Description						
MXL-0110	MXL IO Device	Addressable interface modules.						
<b>States</b>			<b>Commands on OPC Item Mode</b>					
<b>OPC Item PresentValue</b>	<b>OPC Item Mode</b>	<b>Result State</b>	<b>6 - Activate</b>	<b>7 - Deactivate</b>	<b>33 - Enable Input</b>	<b>34 - Disable Input</b>	<b>35 - Enable Output</b>	<b>36 - Disable Output</b>
0-Quiet	1-Normal	Normal	X	X	X	X	X	X
2-Alarm	1-Normal	Alarm	X	X	X	X	X	X
3-Fault	1-Normal	Fault	X	X	X	X	X	X
267-Non Default Mode	1-Normal	Security	X	X	X	X	X	X
267-Non Default Mode	12-Disabled	Disabled	X	X	X	X	X	X

ID	Object Model	Description				
MXL-0120	MXL Loop Module	Analog loop driver.				
		States			Commands on OPC Item Mode	
		OPC Item PresentValue	OPC Item Mode	Result State	\	\
		0-Quiet	1-Normal	Normal		
		3-Fault	1-Normal	Fault		
		267-Non Default Mode	12-Disabled	Disabled		

ID	Object Model	Description				
MXL-0130	MXL Manual Station Device	Manual pull station.				
<b>States</b>			<b>Commands on OPC Item Mode</b>			
<b>OPC Item PresentValue</b>	<b>OPC Item Mode</b>	<b>Result State</b>	<b>33 - Enable Input</b>	<b>34 - Disable Input</b>	<b>35 - Enable Output</b>	<b>36 - Disable Output</b>
0-Quiet	1-Normal	Normal	X	X	X	X
2-Manual Fire Alarm	1-Normal	Alarm	X	X	X	X
3-Fault	1-Normal	Fault	X	X	X	X
267-Non Default Mode	12-Disabled	Disabled	X	X	X	X

ID	Object Model	Description				
MXL-0140	MXL Network Interface Module	Network interface modem module.				
<b>States</b>			<b>Commands on OPC Item Mode</b>			
OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\
0-Quiet	1-Normal	Normal				
3-Fault	1-Normal	Fault				
267-Non Default Mode	12-Disabled	Disabled				



ID	Object Model	Description						
MXL-0150	MXL Output Device	Output device for remote annunciation.						
<b>States</b>			<b>Commands on OPC Item Mode</b>					
<b>OPC Item PresentValue</b>	<b>OPC Item Mode</b>	<b>Result State</b>	<b>6 - Activate</b>	<b>7 - Deactivate</b>	<b>33 - Enable Input</b>	<b>34 - Disable Input</b>	<b>35 - Enable Output</b>	<b>36 - Disable Output</b>
0-Quiet	1-Normal	Normal	X	X	X	X	X	X
2-Alarm	1-Normal	Alarm	X	X	X	X	X	X
3-Fault	1-Normal	Fault	X	X	X	X	X	X
267-Non Default Mode	12-Disabled	Disabled	X	X	X	X	X	X

ID	Object Model	Description				
MXL-0160	MXL Panel	MXL node.				
<b>States</b>			<b>Commands on OPC Item Mode</b>			
<b>OPC Item PresentValue</b>	<b>OPC Item Mode</b>	<b>Result State</b>	<b>4 - Connect</b>	<b>5 - Disconnect</b>	<b>\</b>	<b>\</b>
0-Reachable	1-Normal	Normal	X	X		
3-Not Reachable	1-Normal	Not Reachable	X	X		
267-Non Default Mode	1-Normal	Security	X	X		
267-Non Default Mode	12-Disabled	Disconnected	X	X		

ID	Object Model	Description				
MXL-0170	MXL Panel Module	Main control board.				
		States		Commands on OPC Item Mode		
		OPC Item PresentValue	OPC Item Mode	Result State		
		0-Quiet	1-Normal	Normal	\	\
		3-Fault	1-Normal	Fault	\	\
		267-Non Default Mode	12-Disabled	Disabled		

ID	Object Model	Description																																							
MXL-0180	MXL Power Supply Module	Main, remote, and extender power supply.																																							
<table border="1"> <thead> <tr> <th data-bbox="427 295 472 311">States</th> <th colspan="3" data-bbox="1167 295 1391 311">Commands on OPC Item Mode</th> </tr> <tr> <th data-bbox="203 371 371 387">OPC Item PresentValue</th> <th data-bbox="450 371 562 387">OPC Item Mode</th> <th data-bbox="696 371 786 387">Result State</th> <th data-bbox="1021 371 1043 387">\</th> <th data-bbox="1178 371 1200 387">\</th> <th data-bbox="1335 371 1357 387">\</th> <th data-bbox="1514 371 1536 387">\</th> </tr> </thead> <tbody> <tr> <td data-bbox="203 448 259 464">0-Quiet</td> <td data-bbox="450 448 517 464">1-Normal</td> <td data-bbox="696 448 752 464">Normal</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="203 472 259 488">3-Fault</td> <td data-bbox="450 472 517 488">1-Normal</td> <td data-bbox="696 472 741 488">Fault</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="203 496 371 512">267-Non Default Mode</td> <td data-bbox="450 496 517 512">1-Normal</td> <td data-bbox="696 496 763 512">Security</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="203 520 371 536">267-Non Default Mode</td> <td data-bbox="450 520 539 536">12-Disabled</td> <td data-bbox="696 520 763 536">Disabled</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			States	Commands on OPC Item Mode			OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\	0-Quiet	1-Normal	Normal					3-Fault	1-Normal	Fault					267-Non Default Mode	1-Normal	Security					267-Non Default Mode	12-Disabled	Disabled				
States	Commands on OPC Item Mode																																								
OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\																																			
0-Quiet	1-Normal	Normal																																							
3-Fault	1-Normal	Fault																																							
267-Non Default Mode	1-Normal	Security																																							
267-Non Default Mode	12-Disabled	Disabled																																							

ID	Object Model	Description																																							
MXL-0190	MXL Pseudo Device	Non-existing device used for logic function purposes.																																							
<table border="1"> <thead> <tr> <th data-bbox="427 295 472 311">States</th> <th colspan="3" data-bbox="1171 295 1384 311">Commands on OPC Item Mode</th> </tr> <tr> <th data-bbox="206 371 367 387">OPC Item PresentValue</th> <th data-bbox="454 371 562 387">OPC Item Mode</th> <th data-bbox="701 371 786 387">Result State</th> <th data-bbox="1025 371 1037 387">\</th> <th data-bbox="1193 371 1205 387">\</th> <th data-bbox="1350 371 1361 387">\</th> <th data-bbox="1529 371 1541 387">\</th> </tr> </thead> <tbody> <tr> <td data-bbox="206 448 255 464">0-Quiet</td> <td data-bbox="454 448 517 464">1-Normal</td> <td data-bbox="701 448 750 464">Normal</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="206 475 255 491">3-Fault</td> <td data-bbox="454 475 517 491">1-Normal</td> <td data-bbox="701 475 741 491">Fault</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="206 502 367 518">267-Non Default Mode</td> <td data-bbox="454 502 517 518">1-Normal</td> <td data-bbox="701 502 763 518">Security</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="206 529 367 545">267-Non Default Mode</td> <td data-bbox="454 529 539 545">12-Disabled</td> <td data-bbox="701 529 763 545">Disabled</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			States	Commands on OPC Item Mode			OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\	0-Quiet	1-Normal	Normal					3-Fault	1-Normal	Fault					267-Non Default Mode	1-Normal	Security					267-Non Default Mode	12-Disabled	Disabled				
States	Commands on OPC Item Mode																																								
OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\																																			
0-Quiet	1-Normal	Normal																																							
3-Fault	1-Normal	Fault																																							
267-Non Default Mode	1-Normal	Security																																							
267-Non Default Mode	12-Disabled	Disabled																																							

ID	Object Model	Description																																
MXL-0200	MXL Pseudo Module	Non-existing module used for logic function purposes.																																
<table border="1"> <thead> <tr> <th data-bbox="427 295 472 311">States</th> <th colspan="3" data-bbox="1171 295 1384 311">Commands on OPC Item Mode</th> </tr> <tr> <th data-bbox="206 371 371 387">OPC Item PresentValue</th> <th data-bbox="454 371 562 387">OPC Item Mode</th> <th data-bbox="701 371 786 387">Result State</th> <th data-bbox="1021 371 1032 387">\</th> <th data-bbox="1189 371 1200 387">\</th> <th data-bbox="1357 371 1368 387">\</th> <th data-bbox="1525 371 1536 387">\</th> </tr> </thead> <tbody> <tr> <td data-bbox="206 448 259 464">0-Quiet</td> <td data-bbox="454 448 517 464">1-Normal</td> <td data-bbox="701 448 754 464">Normal</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="206 475 259 491">3-Fault</td> <td data-bbox="454 475 517 491">1-Normal</td> <td data-bbox="701 475 741 491">Fault</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="206 502 360 518">267-Non Default Mode</td> <td data-bbox="454 502 539 518">12-Disabled</td> <td data-bbox="701 502 763 518">Disabled</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			States	Commands on OPC Item Mode			OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\	0-Quiet	1-Normal	Normal					3-Fault	1-Normal	Fault					267-Non Default Mode	12-Disabled	Disabled				
States	Commands on OPC Item Mode																																	
OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\																												
0-Quiet	1-Normal	Normal																																
3-Fault	1-Normal	Fault																																
267-Non Default Mode	12-Disabled	Disabled																																

ID	Object Model	Description				
MXL-0210	MXL SLT Device	Municipal Tie and Leased Line modules.				
<b>States</b>			<b>Commands on OPC Item Mode</b>			
<b>OPC Item PresentValue</b>	<b>OPC Item Mode</b>	<b>Result State</b>	<b>4 - Enable</b>	<b>5 - Disable</b>	<b>\</b>	<b>\</b>
0-Quiet	1-Normal	Normal		X		
3-Fault	1-Normal	Fault		X		
0-Quiet	12-Disabled	Disabled	X			

ID	Object Model	Description						
MXL-0220	MXL TRI Device	Addressable interface modules compatible with ALD loop circuit.						
<b>States</b>			<b>Commands on OPC Item Mode</b>					
<b>OPC Item PresentValue</b>	<b>OPC Item Mode</b>	<b>Result State</b>	<b>6 - Activate</b>	<b>7 - Deactivate</b>	<b>33 - Enable Input</b>	<b>34 - Disable Input</b>	<b>35 - Enable Output</b>	<b>36 - Disable Output</b>
0-Quiet	1-Normal	Normal	X	X	X	X	X	X
2-Alarm	1-Normal	Alarm	X	X	X	X	X	X
3-Fault	1-Normal	Fault	X	X	X	X	X	X
267-Non Default Mode	1-Normal	Security	X	X	X	X	X	X
267-Non Default Mode	12-Disabled	Disabled	X	X	X	X	X	X



ID	Object Model	Description																					
MXL-0230	MXL Unidentified	Unidentified event objects.																					
		<table border="1"> <thead> <tr> <th data-bbox="427 293 472 309">States</th> <th colspan="2" data-bbox="1167 293 1384 309">Commands on OPC Item Mode</th> </tr> <tr> <th data-bbox="203 368 371 384">OPC Item PresentValue</th> <th data-bbox="450 368 562 384">OPC Item Mode</th> <th data-bbox="696 368 786 384">Result State</th> </tr> </thead> <tbody> <tr> <td data-bbox="203 448 259 464">0-Quiet</td> <td data-bbox="450 448 517 464">1-Normal</td> <td data-bbox="696 448 752 464">Normal</td> </tr> <tr> <td data-bbox="203 472 259 488">2-Alarm</td> <td data-bbox="450 472 517 488">1-Normal</td> <td data-bbox="696 472 752 488">Alarm</td> </tr> <tr> <td data-bbox="203 496 259 512">3-Fault</td> <td data-bbox="450 496 517 512">1-Normal</td> <td data-bbox="696 496 752 512">Fault</td> </tr> <tr> <td data-bbox="203 520 360 536">267-Non Default Mode</td> <td data-bbox="450 520 517 536">1-Normal</td> <td data-bbox="696 520 763 536">Security</td> </tr> <tr> <td data-bbox="203 544 360 560">267-Non Default Mode</td> <td data-bbox="450 544 539 560">12-Disabled</td> <td data-bbox="696 544 763 560">Disabled</td> </tr> </tbody> </table>	States	Commands on OPC Item Mode		OPC Item PresentValue	OPC Item Mode	Result State	0-Quiet	1-Normal	Normal	2-Alarm	1-Normal	Alarm	3-Fault	1-Normal	Fault	267-Non Default Mode	1-Normal	Security	267-Non Default Mode	12-Disabled	Disabled
States	Commands on OPC Item Mode																						
OPC Item PresentValue	OPC Item Mode	Result State																					
0-Quiet	1-Normal	Normal																					
2-Alarm	1-Normal	Alarm																					
3-Fault	1-Normal	Fault																					
267-Non Default Mode	1-Normal	Security																					
267-Non Default Mode	12-Disabled	Disabled																					

Siemens Industry Inc.  
Building Technologies Division  
1000 Deerfield Pkwy  
Buffalo Grove IL 60089  
Tel. +1 847-215-1000

© Siemens Industry Inc. 2019  
Technical specifications and availability subject to change without notice.