

SIEMENS

OPC Interface Specifications V7 SPC

Document No. A6V10429336_en_a_70
Edition 2023-09-29

ID	Object Model	Description	Commands on OPC Item Mode								
SPC-0010	SPC Area	Intrusion Area - The area controls alarm mode (Set, Unset, PartSet) and associated zones (Inhibit, Deinhibit, Isolate, Deisolate, Test).	States			8-Fullset	6-Partset A	7-Partset B	9-Unset	18-Get Status	19-Ready to Arm
OPC Item PresentValue	OPC Item Mode	Result State									
0-Normal	1-Normal	System ON (Fullset)				X	X	X			
6-Not Ready	1-Normal	Not Ready				X	X	X			
267-Non Default Mode	6-Unset	System OFF (Unset)	X	X	X				X	X	
267-Non Default Mode	7-Part Set	System Partially OFF	X		X		X		X	X	
267-Non Default Mode	7-Part Set	System Partially OFF	X	X			X		X	X	

ID	Object Model	Description				
SPC-0020	SPC Door	Monitored Door - Access control door.				
States			Commands on OPC Item Mode			
OPC Item PresentValue	OPC Item Mode	Result State	12-Lock	10-Unlock	11-Normal	17-Mom.Unlock
0-Normal	1-Normal	Normal	X	X		X
267-Non Default Mode	284-Locked	Locked		X	X	
267-Non Default Mode	258-Off Controls	Unlocked	X		X	
267-Non Default Mode	10-Disconnected	Offline	X	X		
15-Forced	1-Normal	Forced	X	X		
21-Left Open	1-Normal	Open	X	X		
20-Open Too Long	1-Normal	Open Too Long	X	X		

ID	Object Model	Description
SPC-0030	SPC Enet Node	Node of ENETNODE - Expanders.
<div style="display: flex; justify-content: space-between;"> <div style="width: 40%; background-color: #ffffcc;"> <p style="text-align: center; margin: 0;">States</p> </div> <div style="width: 60%; background-color: #ccffcc;"> <p style="text-align: center; margin: 0;">Commands on OPC Item Mode</p> </div> </div>		
OPC Item PresentValue	OPC Item Mode	Result State
0-Normal	1-Normal	Normal
267-Non Default Mode	260-Inhibit	Inhibited
267-Non Default Mode	0-Isolate	Isolated
3-Fault	1-Normal	Fault
2-Alarm	1-Normal	Alarm
8-Tamper	1-Normal	Tamper
14-Duress	1-Normal	Duress

ID	Object Model	Description					
SPC-0040	SPC Mapping Gate	Alarming outputs - Intrusion alarming and control outputs mapped on physical output lines.					
			States		Commands on OPC Item Mode		
			OPC Item PresentValue	OPC Item Mode	Result State	15-Activate	16-Deactivate
			0-Normal	1-Normal	Deactivated	X	
			7-Active	1-Normal	Activated		X

ID	Object Model	Description
SPC-0050	SPC Modem	Modem.
States		
Commands on OPC Item Mode		
OPC Item PresentValue	OPC Item Mode	Result State
0-Normal	1-Normal	Normal
3-Fault	1-Normal	Fault
267-Non Default Mode	0-Isolate	Isolated
267-Non Default Mode	260-Inhibit	Inhibited

ID	Object Model	Description					
SPC-0060	SPC PSU	Power Supply Unit.					
States			Commands on OPC Item Mode				
	OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\
	0-Normal	1-Normal	Normal				
	3-Fault	1-Normal	Fault				
	267-Non Default Mode	260-Inhibit	Inhibited				
	267-Non Default Mode	0-Isolate	Isolated				

ID	Object Model	Description
SPC-0070	SPC System	Intrusion System - General conditions related to the SPC intrusion system.
<div style="display: flex; justify-content: space-between;"> <div style="width: 40%; background-color: #ffffcc;"> <p style="text-align: center; margin: 0;">States</p> </div> <div style="width: 60%; background-color: #ccffcc;"> <p style="text-align: center; margin: 0;">Commands on OPC Item Mode</p> </div> </div>		
OPC Item PresentValue	OPC Item Mode	Result State
0-Normal	1-Normal	Normal
3-Fault	1-Normal	Fault
267-Non Default Mode	260-Inhibit	Inhibited
267-Non Default Mode	0-Isolate	Isolated
8-Tamper	1-Normal	Tamper

ID	Object Model	Description																																																						
SPC-0080	SPC Unidentified	Unidentified event - Event with no corresponding object in the database.																																																						
<table border="1"> <thead> <tr> <th data-bbox="205 347 894 418">States</th> <th colspan="4" data-bbox="894 347 1497 370">Commands on OPC Item Mode</th> </tr> <tr> <th data-bbox="205 418 436 441">OPC Item PresentValue</th> <th data-bbox="436 418 667 441">OPC Item Mode</th> <th data-bbox="667 418 894 441">Result State</th> <th data-bbox="894 418 1050 441">\</th> <th data-bbox="1050 418 1205 441">\</th> <th data-bbox="1205 418 1360 441">\</th> <th data-bbox="1360 418 1497 441">\</th> </tr> </thead> <tbody> <tr> <td data-bbox="205 490 436 513">7-Active</td> <td data-bbox="436 490 667 513">1-Normal</td> <td data-bbox="667 490 894 513">Activated</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="205 516 436 539">2-Alarm</td> <td data-bbox="436 516 667 539">1-Normal</td> <td data-bbox="667 516 894 539">Alarm</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="205 542 436 565">1-Danger</td> <td data-bbox="436 542 667 565">1-Normal</td> <td data-bbox="667 542 894 565">Danger</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="205 568 436 591">3-Fault</td> <td data-bbox="436 568 667 591">1-Normal</td> <td data-bbox="667 568 894 591">Fault</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="205 594 436 617">267-Non Default Mode</td> <td data-bbox="436 594 667 617">0-Isolate</td> <td data-bbox="667 594 894 617">Isolated</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="205 620 436 643">16-Abnormal</td> <td data-bbox="436 620 667 643">1-Normal</td> <td data-bbox="667 620 894 643">Anomaly</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	\	\	\	\	7-Active	1-Normal	Activated					2-Alarm	1-Normal	Alarm					1-Danger	1-Normal	Danger					3-Fault	1-Normal	Fault					267-Non Default Mode	0-Isolate	Isolated					16-Abnormal	1-Normal	Anomaly				
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16-Abnormal	1-Normal	Anomaly																																																						

ID	Object Model	Description
SPC-0090	SPC User	User - User authorized to operate the intrusion system.
States		Commands on OPC Item Mode
OPC Item PresentValue	OPC Item Mode	Result State
0-Normal	1-Normal	LoggedOut
7-Active	1-Normal	LoggedIn (Norm/Duress)

ID	Object Model	Description
SPC-0100	SPC Xbus	X-BUS - Open/Closed loop X-BUS provides connection to the unit expanders.
States		
OPC Item PresentValue	OPC Item Mode	Result State
0-Normal	1-Normal	Normal
16-Abnormal	1-Normal	Anomaly/Information

Commands on OPC Item Mode			
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ID	Object Model	Description				
SPC-0110	SPC Zone	Intrusion Zone - Intrusion detector(s) protecting a part of the building.				
States			Commands on OPC Item Mode			
OPC Item PresentValue	OPC Item Mode	Result State	4 - Isolate	5- Deisolate	2 - Inhibit	3 - Deinhibit
0-Normal	1-Normal	Normal	X		X	
267-Non Default Mode	260-Inhibit	Inhibited	X			X
267-Non Default Mode	0-Isolate	Isolated		X		
2-Alarm	1-Normal	Alarm (also with NotReady active)	X		X	
2-Alarm	1-Normal	Post Alarm				
8-Tamper	1-Normal	Tamper	X		X	
3-Fault	1-Normal	Fault	X		X	
3-Fault	1-Normal	Trouble	X		X	
267-Non Default Mode	2-Soak	Soak (test mode)				
7-Active / 6-Not Ready	1-Normal	Actuated	X		X	

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SPC-0120	SPC Event commands	This is not an Object Model but provides the read-only information about the event states. The event related to the point can require the acknowledge, silence/unsilence, and reset commands.																																																																																																																							
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Siemens Switzerland Ltd
Smart Infrastructure
Global Headquarters
Theilerstrasse 1a
CH-6300 Zug
Tel. +41 58 724 2424
www.siemens.com/buildingtechnologies

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