

SIEMENS

OPC Interface Specifications Version 2.1

FS20EN

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Building Technologies

FS20EN Fire Panel

This workbook describes the objects provided by the Siemens OPC Data Access Server to represent the FS20EN fire control unit

Legend

ID	Object Model	Description																																									
<ID>	<Object Model>	<Description>																																									
		<table border="1"> <thead> <tr> <th colspan="2">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				
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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 *Appendix C: Example of Exported CSV File* in the *OPC Server Manual*).

ID	Object Model	Description						
FS20EN-0010	FS20EN Alarm Control	Individual entity of control logic for alarm handling.						
States			Commands on OPC Item Mode					
OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	1-Enable	269-Activate	2-Test	14-Normal	276-Deactivate
0-Quiet	1-Normal	Normal	X		X	X		
267-Non Default Mode	0-Disabled	Disabled		X	X	X	X	
267-Non Default Mode	2-Test	Test	X		X		X	
7-Active	1-Normal	Activated	X			X		X
3-Fault	1-Normal	Fault	X		X	X		

ID	Object Model	Description							
FS20EN-0020	FS20EN Alarm Control Group	The Alarm Control Group is the means for organizing specific alarm controls.							
			States		Commands on OPC Item Mode				
			OPC Item PresentValue	OPC Item Mode	Result State	258-Controls Off	265-Controls On	259-Sounders Off	266-Sounders On
			0-Quiet	1-Normal	Normal	X	X	X	X

ID	Object Model	Description				
FS20EN-0030	FS20EN Alert Evac Sounders	Evacuation sounders used in the Control domain.				
States			Commands on OPC Item Mode			
OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	269-Activate	1-Enable	276-Deactivate
0-Quiet	1-Normal	Normal	X	X		
267-Non Default Mode	0-Disabled	Disabled		X	X	
7-Active	1-Normal	Activated	X			X
7-Active (Evac)	1-Normal	Activated	X			X
3-Fault	1-Normal	Fault	X	X		
16-Abnormal	1-Normal	Anomaly	X	X		

ID	Object Model	Description							
FS20EN-0040	FS20EN Alert Sounders	Sounders used in the Control domain.							
			States		Commands on OPC Item Mode				
			OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	270-Activate Alert	1-Enable	276-Deactivate
			0-Quiet	1-Normal	Normal	X	X		
			267-Non Default Mode	0-Disabled	Disabled		X	X	
			7-Active	1-Normal	Activated	X			X
			3-Fault	1-Normal	Fault	X	X		
			16-Abnormal	1-Normal	Anomaly	X	X		

ID	Object Model	Description							
FS20EN-0050	FS20EN Area Off Fire Controls	This switches on or off the Fire Controls programmed in the related Area.							
			States		Commands on OPC Item Mode				
			OPC Item PresentValue	OPC Item Mode	Result State	258-Controls Off	265-Controls On	\	\
			0-Quiet	1-Normal	Normal	X			
			267-Non Default Mode	0-Disabled	Disabled		X		

ID	Object Model	Description				
FS20EN-0060	FS20EN Area Off Rts	This switches on or off the Remote Transmissions programmed in the related Area.				
States			Commands on OPC Item Mode			
OPC Item PresentValue	OPC Item Mode	Result State	258-Controls Off	265-Controls On	\	\
0-Quiet	1-Normal	Normal	X			
267-Non Default Mode	0-Disabled	Disabled		X		

ID	Object Model	Description				
FS20EN-0070	FS20EN Area Off Sounders	This switches on or off the Audible Souders programmed in the related Area.				
States			Commands on OPC Item Mode			
OPC Item PresentValue	OPC Item Mode	Result State	259-Sounders Off	266-Sounders On	\	\
0-Quiet	1-Normal	Normal	X			
267-Non Default Mode	0-Disabled	Disabled		X		

ID	Object Model	Description											
FS20EN-0080	FS20EN BACnet Device	BACnet device.											
<table border="1"> <thead> <tr> <th data-bbox="434 309 483 333">States</th> <th colspan="3" data-bbox="1137 309 1368 333">Commands on OPC Item Mode</th> </tr> </thead> <tbody> <tr> <td data-bbox="226 360 405 384">OPC Item PresentValue</td> <td data-bbox="501 360 629 384">OPC Item Mode</td> <td data-bbox="689 360 786 384">Result State</td> <td data-bbox="958 360 981 384">\</td> <td data-bbox="1149 360 1171 384">\</td> <td data-bbox="1339 360 1361 384">\</td> <td data-bbox="1529 360 1552 384">\</td> </tr> </tbody> </table>			States	Commands on OPC Item Mode			OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\
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OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\							

ID	Object Model	Description				
FS20EN-0090	FS20EN Bypassable Elem	Bypassable elements mostly used in the control domain.				
			States		Commands on OPC Item Mode	
	OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	1-Enable	\
	0-Quiet	1-Normal	Normal	X		
	267-Non Default Mode	0-Disabled	Disabled		X	
	3-Fault	1-Normal	Fault	X		
	7-Active	1-Normal	Activated	X		

ID	Object Model	Description							
FS20EN-0100	FS20EN Digital Input	Logical Channels exclusively used in the control domain. Inputs are used to trigger Controls, which in turn activate Outputs or Sounders.							
			States		Commands on OPC Item Mode				
			OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	1-Enable	\	\
			0-Quiet	1-Normal	Normal	X			
			267-Non Default Mode	0-Disabled	Disabled		X		
			3-Fault	1-Normal	Fault	X			
			16-Abnormal	1-Normal	Anomaly	X			

ID	Object Model	Description							
FS20EN-0110	FS20EN Digital Output	Logical Channels exclusively used in the control domain. Inputs are used to trigger Controls, which in turn activate Outputs or Sounders.							
			States		Commands on OPC Item Mode				
			OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	1-Enable	269-Activate	276-Deactivate
			0-Quiet	1-Normal	Normal	X		X	
			10-Test Active	1-Normal	Test Active	X			
			16-Abnormal	1-Normal	Anomaly	X		X	
			3-Fault	1-Normal	Fault	X		X	
			267-Non Default Mode	0-Disabled	Disabled		X		
			7-Active	1-Normal	Activated	X			X

ID	Object Model	Description	Commands on OPC Item Mode									
FS20EN-0120	FS20EN Evac Control	Individual entity of the control logic related to evacuation.	States			0-Disable	1-Enable	271-Activate Evac	276-Deactivate	2-Test	14-Normal	
			OPC Item PresentValue	OPC Item Mode	Result State							
			0-Quiet	1-Normal	Normal	X		X	X	X		
			267-Non Default Mode	0-Disabled	Disabled		X	X	X	X		X
			267-Non Default Mode	2-Test	Test	X	X	X	X			X
			7-Active	1-Normal	Activate	X		X	X	X		
			0-Quiet	276-Deactivate	Deactivate							

ID	Object Model	Description				
FS20EN-0130	FS20EN Evac Sounders	Evacuation sounder channel.				
States			Commands on OPC Item Mode			
OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	271-Activate Evac	1-Enable	276-Deactivate
0-Quiet	1-Normal	Normal	X	X		
267-Non Default Mode	0-Disabled	Disabled		X	X	
7-Active (Evac)	1-Normal	Activated	X			X
3-Fault	1-Normal	Fault	X	X		
16-Abnormal	1-Normal	Anomaly	X	X		

ID	Object Model	Description							
FS20EN-0140	FS20EN Extinguishing Zone	The Extinguishing Zone handles the raw alarm information related to extinguishing sensors.							
			States		Commands on OPC Item Mode				
			OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	1-Enable	2-Test	14-Normal
			0-Quiet	1-Normal	Normal	X		X	
			259-Extinguishing Released	1-Normal	Extinguishing Released	X		X	
			2-Alarm	1-Normal	Alarm	X		X	
			1-Pre Alarm	1-Normal	Pre Alarm	X		X	
			7-Active	1-Normal	Activated	X		X	
			3-Fault	1-Normal	Fault	X		X	
			16-Abnormal	1-Normal	Anomaly	X		X	
			6-Not Ready	1-Normal	Not Ready	X		X	
			267-Non Default Mode	0-Disabled	Disabled		X	X	X
			267-Non Default Mode	2-Test	Test	X			X
			267-Non Default Mode	285-Walktest	Walktest	X		X	X

ID	Object Model	Description									
FS20EN-0150	FS20EN Fire Control Group	The Fire Control Group is the means for organizing the various fire controls.									
			States			Commands on OPC Item Mode					
			OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	1-Enable	2-Test	14-Normal	269-Activate	276-Deactivate
			0-Quiet	1-Normal	Normal	X		X		X	X
			267-Non Default Mode	0-Disabled	Disabled		X	X	X	X	X

ID	Object Model	Description							
FS20EN-0160	FS20EN Fire Detector	Logical channels used in the detection domain for fire/smoke detection and technical alarms.							
			States		Commands on OPC Item Mode				
			OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	1-Enable	\	\
			0-Quiet	1-Normal	Normal	X			
			267-Non Default Mode	0-Disabled	Disabled		X		
			267-Non Default Mode	260-Off Temporary	Off Temporary	X			
			16-Abnormal	260-Off Temporary	Off Temporary	X			
			3-Fault	1-Normal	Fault	X			
			7-Active	1-Normal	Activated	X			
			10-Test Active	1-Normal	Test Active	X			
			267-Non Default Mode	2-Test	Test	X			

ID	Object Model	Description	Commands on OPC Item Mode									
FS20EN-0170	FS20EN Fire Subsystem Zone	The Fire Subsystem Zone handles the raw alarm information related to different sensor types.	States			0-Disable	1-Enable	14-Normal Mode	9-Fast	2-Test	8-Slow	
			OPC Item PresentValue	OPC Item Mode	Result State							
			0-Quiet	1-Normal	Normal	X				X	X	X
			2-Alarm	1-Normal	Alarm	X				X		X
			1-Pre Alarm	1-Normal	Pre Alarm	X				X		X
			16-Abnormal	1-Normal	Anomaly	X				X	X	X
			6-Not Ready	1-Normal	Not Ready	X				X	X	X
			267-Non Default Mode	0-Disabled	Disabled		X	X		X	X	X
			267-Non Default Mode	9-Fast	Fast			X			X	X
			267-Non Default Mode	8-Slow	Slow			X		X	X	
			267-Non Default Mode	2-Test	Test			X		X		X
			267-Non Default Mode	285-Walktest	Walktest			X		X	X	X
			16-Abnormal	260-Off Temporary	Off Temporary			X		X	X	X

ID	Object Model	Description	States							Commands on OPC Item Mode					
FS20EN-0180	FS20EN Generic Control	The Control represents an individual entity of the control logic. Each Control has a dedicated functionality.	OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	1-Enable	269-Activate	276-Deactivate	2-Test	14-Normal				
			0-Quiet	1-Normal	Normal	X		X	X	X					
			267-Non Default Mode	0-Disabled	Disabled		X	X	X	X	X				
			267-Non Default Mode	2-Test	Test	X	X	X	X		X				
			7-Active	1-Normal	Activate	X		X	X	X					
			0-Quiet	1-Normal	Deactivate	X		X	X	X					

ID	Object Model	Description
FS20EN-0190	FS20EN Generic Digital Input	The Input Channels are exclusively used in the logical domain. Specific sensors handle different information from the detection devices and a logical input is used for technical alarms coming from other systems.
States		Commands on OPC Item Mode
OPC Item PresentValue	OPC Item Mode	Result State
0-Quiet	1-Normal	Normal
3-Fault	1-Normal	Fault
7-Active	1-Normal	Activated
16-Abnormal	1-Normal	Anomaly

ID	Object Model	Description																																																																						
FS20EN-0200	FS20EN Generic Element	Generic Configuration Element. This element is a member of the operation tree and is mainly used for the configuration of country-specific operations and view peripherals.																																																																						
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267-Non Default Mode	0-Disabled	Disabled																																																																						

ID	Object Model	Description					
FS20EN-0210	FS20EN Key Depot	Configuration Element used for the configuration of country-specific operations and view peripherals.					
			Commands on OPC Item Mode				
States							
	OPC Item PresentValue	OPC Item Mode	Result State	269-Activate	1-Enable	282-Off Tamper	\
	0-Quiet	1-Normal	Normal	X		X	
	2-Alarm	1-Normal	Alarm	X		X	
	7-Active	1-Normal	Activated		X	X	
	16-Abnormal	1-Normal	Anomaly	X		X	
	3-Fault	1-Normal	Fault	X		X	
	267-Non Default Mode	282-Off Teampers Evaluation	Off Tamper				
	267-Non Default Mode	0-Disabled	Disabled		X		

ID	Object Model	Description				
FS20EN-0220	FS20EN Manual Call Point	Logical channels used in the detection domain for fire detection.				
			Commands on OPC Item Mode			
States						
OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	1-Enable	\	\
0-Quiet	1-Normal	Normal	X			
267-Non Default Mode	0-Disabled	Disabled		X		
267-Non Default Mode	260-Off Temporary	Off Temporary	X	X		
16-Abnormal	260-Off Temporary	Off Temporary	X	X		
3-Fault	1-Normal	Fault	X			
7-Active	1-Normal	Activated	X			
6-Not Ready	1-Normal	Not Ready	X			
10-Test Active	1-Normal	Test Active	X			
267-Non Default Mode	2-Test	Test	X			

ID	Object Model	Description								
FS20EN-0230	FS20EN Manual Zone	The Manual Zone handles the raw alarm information coming from manual call point.								
			States			Commands on OPC Item Mode				
			OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	1-Enable	2-Test	285-Walktest	14-Normal
	0-Quiet	1-Normal	Normal	X		X		X		
	267-Non Default Mode	0-Disabled	Disabled		X	X		X		X
	16-Abnormal	260-Off Temporary	Off Temporary	X		X		X		X
	16-Abnormal	1-Normal	Anomaly	X		X		X		
	267-Non Default Mode	2-Test	Test	X				X		X
	267-Non Default Mode	285-Walktest	Walktest	X		X				X
	2-Alarm	1-Normal	Alarm	X						

ID	Object Model	Description				
FS20EN-0240	FS20EN Multi State Value	Panel and Area multistate objects for block commands.				
States			Commands on OPC Item Mode			
OPC Item PresentValue	OPC Item Mode	Result State	2-Block Ack	3-Block Reset	4-Block Silence	5-Block Unsilence
2-Acknowledge			X	X	X	X
3-Reset			X	X	X	X
4-Silence			X	X	X	X
5- Unsilence			X	X	X	X

ID	Object Model	Description											
FS20EN-0250	FS20EN Notification Class	BACnet notification class.											
<table border="1"> <thead> <tr> <th data-bbox="434 309 483 325">States</th> <th colspan="3" data-bbox="1137 309 1368 325">Commands on OPC Item Mode</th> </tr> </thead> <tbody> <tr> <td data-bbox="226 360 495 376">OPC Item PresentValue</td> <td data-bbox="510 360 869 376">OPC Item Mode</td> <td data-bbox="875 360 1061 376">Result State</td> <td data-bbox="1068 360 1254 376">\</td> <td data-bbox="1261 360 1447 376">\</td> <td data-bbox="1453 360 1639 376">\</td> <td data-bbox="1646 360 1832 376">\</td> </tr> </tbody> </table>			States	Commands on OPC Item Mode			OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\
States	Commands on OPC Item Mode												
OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\							

ID	Object Model	Description				
FS20EN-0260	FS20EN Output	Logical Channels exclusively used in the control domain. Inputs are used to trigger Controls which in turns activate Outputs or Sounders.				
			Commands on OPC Item Mode			
States						
OPC Item PresentValue	OPC Item Mode	Result State	269-Active	276-Deactivate	0-Disable	1-Enable
0-Quiet	1-Normal	Normal	X		X	
10-Test Active	1-Normal	Test Active				
16-Abnormal	1-Normal	Anomaly	X		X	
3-Fault	1-Normal	Fault	X		X	
7-Active	1-Normal	Activated		X	X	
267-Non Default Mode	0-Disabled	Disabled				X

ID	Object Model	Description
FS20EN-0270	FS20EN Panel	An entire FS20 host (panel or terminal) with respect to the process information. In addition, a BACnet Device object is associated so that each host can be addressed as an individual node in the BACnet inter-network.
States		Commands on OPC Item Mode
OPC Item PresentValue	OPC Item Mode	Result State
0-Quiet	1-Normal	Normal
3-Fault	1-Normal	Fault
16-Abnormal	1-Normal	Anomaly
256-System Fault	1-Normal	Fault

ID	Object Model	Description							
FS20EN-0280	FS20EN Pmi Visibility	The Pmi Visibility elements are attached to the Pmi Config element which models the local Pmi of an FS20 station. The subordinate Visibility elements are mainly used for configuration purposes (manual activation).							
			States		Commands on OPC Item Mode				
			OPC Item PresentValue	OPC Item Mode	Result State	269-Active	276-Deactivate	\	\
			0-Quiet	1-Normal	Normal	X			
			3-Fault	1-Normal	Fault				
			7-Active	1-Normal	Activated	X			
			16-Abnormal	1-Normal	Anomaly				
			256-System Fault	1-Normal	Fault				

ID	Object Model	Description																																																	
FS20EN-0290	FS20EN Pmi Standby Visibility	The PMI Visibility elements are attached to the PMI Config element which models the local PMI of an FS20 station. The subordinate Visibility elements are mainly used for configuration purposes (automatic fallback).																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" data-bbox="432 309 483 325">States</th> <th colspan="4" data-bbox="1137 309 1373 325">Commands on OPC Item Mode</th> </tr> <tr> <th data-bbox="226 395 405 411">OPC Item PresentValue</th> <th data-bbox="510 395 629 411">OPC Item Mode</th> <th data-bbox="696 395 786 411">Result State</th> <th data-bbox="909 395 1025 411">276-Deactivate</th> <th data-bbox="1151 395 1167 411">\</th> <th data-bbox="1339 395 1355 411">\</th> <th data-bbox="1529 395 1545 411">\</th> </tr> </thead> <tbody> <tr> <td data-bbox="226 480 286 496">0-Quiet</td> <td data-bbox="510 480 584 496">1-Normal</td> <td data-bbox="696 480 757 496">Normal</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="226 512 286 528">3-Fault</td> <td data-bbox="510 512 584 528">1-Normal</td> <td data-bbox="696 512 757 528">Fault</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="226 544 293 560">7-Active</td> <td data-bbox="510 544 584 560">1-Normal</td> <td data-bbox="696 544 779 560">Activated</td> <td data-bbox="958 544 974 560">X</td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="226 576 331 592">16-Abnormal</td> <td data-bbox="510 576 584 592">1-Normal</td> <td data-bbox="696 576 779 592">Anomaly</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="226 608 360 624">256-System Fault</td> <td data-bbox="510 608 584 624">1-Normal</td> <td data-bbox="696 608 757 624">Fault</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	276-Deactivate	\	\	\	0-Quiet	1-Normal	Normal					3-Fault	1-Normal	Fault					7-Active	1-Normal	Activated	X				16-Abnormal	1-Normal	Anomaly					256-System Fault	1-Normal	Fault				
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16-Abnormal	1-Normal	Anomaly																																																	
256-System Fault	1-Normal	Fault																																																	

ID	Object Model	Description				
FS20EN-0300	FS20EN Sounders	Sounder output logical channel.				
States			Commands on OPC Item Mode			
OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	1-Enable	269-Activate	276-Deactivate
0-Quiet	1-Normal	Normal	X		X	
3-Fault	1-Normal	Fault	X		X	
16-Abnormal	1-Normal	Anomaly	X		X	
267-Non Default Mode	0-Disabled	Disabled		X	X	
7-Active	1-Normal	Activated	X			X
10-Test Active	1-Normal	Normal	X		X	

ID	Object Model	Description	Commands on OPC Item Mode							
FS20EN-0310	FS20EN Sprinkler Zone	The Sprinkler Zone handles the raw alarm information coming from sprinklers.	States			0-Disable	1-Enable	2-Test	285-Walktest	14-Normal
			OPC Item PresentValue	OPC Item Mode	Result State					
			0-Quiet	1-Normal	Normal	X		X	X	
			267-Non Default Mode	0-Disabled	Disabled		X			
			267-Non Default Mode	2-Test	Test	X			X	X
			267-Non Default Mode	285-Walktest	Walktest	X		X		X

ID	Object Model	Description							
FS20EN-0320	FS20EN Verification Elem	Counter which influences the alarm equipment and remote transmission.	States			Commands on OPC Item Mode			
	OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	1-Enable	13-Auto Release Disable	\		
	0-Quiet	1-Normal	Normal	X		X			
	7-Active	1-Normal	Activated						
	267-Non Default Mode	0-Disabled	Disabled		X				

ID	Object Model	Description				
FS20EN-0330	FS20EN XC10 Zone	Extinguishing panel control.				
States			Commands on OPC Item Mode			
OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	1-Enable	279-Auto Release Disable	\
0-Quiet	1-Normal	Normal	X		X	
267-Non Default Mode	0-Disabled	Disabled		X		
267-Non Default Mode	13-Automatic Released	Automatic Release		X		

ID	Object Model	Description																														
FS20EN-0340	FS20EN 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.																														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" data-bbox="226 304 869 483">States</th> <th colspan="2" data-bbox="875 304 1630 483">Commands on OPC Item Acked Transitions</th> <th data-bbox="1637 304 2011 483">Commands on OPC Item Operation Expected</th> </tr> <tr> <th data-bbox="226 488 488 563">OPC Item Acked Transitions</th> <th data-bbox="495 488 869 563">OPC Item Operation Exj Result State</th> <th data-bbox="875 488 1249 563">1-Ack to offnormal</th> <th data-bbox="1256 488 1630 563">2-Ack to fault</th> <th data-bbox="1637 488 2011 563">4-Reset</th> </tr> </thead> <tbody> <tr> <td data-bbox="226 568 488 592">7 - Normal</td> <td data-bbox="495 568 869 592">0 - None</td> <td data-bbox="875 568 1249 592">Normal</td> <td data-bbox="1256 568 1630 592"></td> <td data-bbox="1637 568 2011 592"></td> </tr> <tr> <td data-bbox="226 596 488 620">6 - Ack to offnormal</td> <td data-bbox="495 596 869 620">1 - Silence</td> <td data-bbox="875 596 1249 620">Alarm</td> <td data-bbox="1256 596 1630 620">X</td> <td data-bbox="1637 596 2011 620"></td> </tr> <tr> <td data-bbox="226 625 488 649">5 - Ack to fault</td> <td data-bbox="495 625 869 649">0 - None</td> <td data-bbox="875 625 1249 649">Fault</td> <td data-bbox="1256 625 1630 649">X</td> <td data-bbox="1637 625 2011 649"></td> </tr> <tr> <td data-bbox="226 654 488 678">7 - Normal</td> <td data-bbox="495 654 869 678">4 - Reset</td> <td data-bbox="875 654 1249 678">To reset</td> <td data-bbox="1256 654 1630 678"></td> <td data-bbox="1637 654 2011 678">X</td> </tr> </tbody> </table>			States		Commands on OPC Item Acked Transitions		Commands on OPC Item Operation Expected	OPC Item Acked Transitions	OPC Item Operation Exj Result State	1-Ack to offnormal	2-Ack to fault	4-Reset	7 - Normal	0 - None	Normal			6 - Ack to offnormal	1 - Silence	Alarm	X		5 - Ack to fault	0 - None	Fault	X		7 - Normal	4 - Reset	To reset		X
States		Commands on OPC Item Acked Transitions		Commands on OPC Item Operation Expected																												
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5 - Ack to fault	0 - None	Fault	X																													
7 - Normal	4 - Reset	To reset		X																												

ID	Object Model	Description	Commands on OPC Item Mode										
FS20EN-0310	FS20EN Zone	The Zone handles the raw alarm information coming from one or more detectors. Different zones (Automatic, Technical, Gas, Multi, Extinguishing, etc.) can be used depending on purpose.	States			0-Disable	1-Enable	9-Fast	8-Slow	2-Test	285-Walktest	14-Normal	
			OPC Item PresentValue	OPC Item Mode	Result State								
			0-Quiet	1-Normal	Normal	X		X	X	X	X	X	
			267-Non Default Mode	0-Disabled	Disabled		X	X	X	X	X	X	X
			267-Non Default Mode	9-Fast	Fast	X			X	X	X	X	
			267-Non Default Mode	8-Slow	Slow	X		X		X	X	X	
			267-Non Default Mode	2-Test	Test	X		X	X			X	X
			267-Non Default Mode	285-Walktest	Walktest	X		X	X	X			X
			16-Abnormal	260-Off Temporary	Off Temporary	X		X	X	X	X	X	X
			1-Pre Alarm	1-Normal	Pre Alarm	X		X	X				
			2-Alarm	1-Normal	Alarm	X		X	X				
			6-Not Ready	1-Normal	Not Ready	X		X	X	X	X	X	
16-Abnormal	1-Normal	Abnormal	X		X	X	X	X	X				

ID	Object Model	Description	States																		
FS20EN-0320	FS20EN Area	The Area controls the alarm organization and switches the system to manned/unmanned state.	States			Commands on OPC Item Mode															
OPC Item PresentValue	OPC Item Mode	Result State	258-Controls Off	265-Controls On	0-Disable	1-Enable	256-Manual Off	263-Manual On	257-Non Manual Off	264-Non Manual On	14-Normal Mode	259-Sounders Off	266-Sounders On	267-Test Manual	268-Test Non Manual	266-Walktest Manual	265-Walktest Non Manual	3-Manned	4-Unmanned	9-Fast	
0-Quiet	1-Normal	Normal	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
267-Non Default Mode	3-Manned	Manned	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
0-Quiet	4-Unmanned	Unmanned	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

ID	Object Model	Description													
FS20EN-0330	FS20EN Area Propagation	This switches on or off the Sections and Zones programmed in the related Area.	States			Commands on OPC Item Mode									
	OPC Item PresentValue	OPC Item Mode	Result State	256-Manual Off	263-Manual On	257-Non Manual Off	264-Non Manual On	14-Normal Mode	267-Test Manual	268-Test Non Manual	286-Walktest Manual	285-Walktest Non Manual	9-Fast	0-Disable	1-Enable
	0-Quiet	1-Normal	Normal	X	X	X	X	X	X	X	X	X	X	X	X
	267-Non Default Mode	0-Disabled	Disabled	X	X	X	X	X	X	X	X	X	X	X	X
	267-Non Default Mode	9-Fast	Fast	X	X	X		X	X	X	X	X		X	X
	267-Non Default Mode	2-Test	Test	X	X	X	X	X	X	X	X	X	X	X	X
	267-Non Default Mode	285-Walktest	Walktest	X	X	X	X	X	X	X	X	X	X	X	X

ID	Object Model	Description															
FS20EN-0340	FS20EN Section	The Section can be used to operate a collection of zones in a safe and easy way. It provides the functionality for switching to on, off, fast, and test.															
			States			Commands on OPC Item Mode											
			OPC Item PresentValue	OPC Item Mode	Result State	0-Disable	1-Enable	256-Manual Off	263-Manual On	257-Non Manual Off	264-Non Manual On	14-Normal Mode	267-Test Manual	268-Test Non Manual	286-Walktest Manual	285-Walktest Non Manual	9-Fast
			0-Quiet	1-Normal	Normal	X		X	X	X	X	X	X	X	X	X	X
			267-Non Default Mode	0-Disabled	Disabled		X	X	X	X	X	X	X	X	X	X	X
			267-Non Default Mode	2-Test	Test	X		X	X	X	X	X	X	X	X	X	X
			267-Non Default Mode	285-Walktest	Walktest	X		X	X	X	X	X	X	X	X	X	X

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