

SIEMENS

OPC Interface Specifications Version 6.0

FS20GB

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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>
	States	Commands on OPC Item Mode
	OPC Item PresentValue	OPC Item Mode
	Result State	1 - Activate
		2 -
		5 -
		6 -
	0-Quiet	1-Normal
	1-Pre Alarm	1-Normal
	16-Abnormal	1-Normal
	2-Alarm	1-Normal
		Normal
		Pre Alarm
		Anomaly
		Alarm
		X

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

FS20ENCN-0010	FS20EN Panel CN		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 internetwork.		
	States			Commands on OPC Item Mode	
	OPC Item PresentValue	OPC Item Mode	Result State	290-Automatic Release Control	291-Manual Release Control
	0-Quiet	1-Normal	Normal		X
	3-Fault	1-Normal	Fault		
	267-Non Default Mode	291-Manual Release	Anomaly	X	
	267-Non Default Mode	290-Automatic Release	Anomaly		X
256-System Fault	1-Normal	Fault			

ID	Object Model	Description							
FS20ENCN-0020	FS20EN Multi State Value Panel	Panel and Area multistate objects for block commands.							
<div style="display: flex; justify-content: space-between;"> <div style="width: 60%; background-color: #ffffcc; padding: 5px;"> <p style="text-align: center; margin: 0;">States</p> </div> <div style="width: 35%; background-color: #ccffcc; padding: 5px;"> <p style="text-align: center; margin: 0;">Commands on OPC Item Present Value</p> </div> </div>									
OPC Item PresentValue	OPC Item Mode	Result State							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">2-Block Ack</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">3-Block Reset</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">4-Block Silence</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">5-Block Unsilence</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">7-Block Ack Except Areas</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">8-Block Reset Except Areas</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">9-Silence Buzzer</th> </tr> </thead> </table>			2-Block Ack	3-Block Reset	4-Block Silence	5-Block Unsilence	7-Block Ack Except Areas	8-Block Reset Except Areas	9-Silence Buzzer
2-Block Ack	3-Block Reset	4-Block Silence	5-Block Unsilence	7-Block Ack Except Areas	8-Block Reset Except Areas	9-Silence Buzzer			
2-Acknowledge			X	X	X	X	X	X	
3-Reset			X	X	X	X	X	X	
4-Silence			X	X	X	X	X	X	
5-Unsilence			X	X	X	X	X	X	
7-Acknowledge			X	X	X	X	X	X	
8-Reset Except Areas			X	X	X	X	X	X	
9-Silence Buzzer			X	X	X	X	X	X	

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