

# OpcExclusiveRateOfChangeAlarm Class

**Namespace:** Opc.UaFx

**Assemblies:** Opc.UaFx.Advanced.dll

Represents a snapshot of a 'Opc.UaFx.OpcExclusiveRateOfChangeAlarmNode'.

**C#**

```
public class OpcExclusiveRateOfChangeAlarm : OpcExclusiveLimitAlarm
```

**Inheritance** [Object](#) > [OpcEvent](#) > [OpcCondition](#) > [OpcAcknowledgeableCondition](#) > [OpcAlarmCondition](#) > [OpcLimitAlarm](#) > [OpcExclusiveLimitAlarm](#) > [OpcExclusiveRateOfChangeAlarm](#)

## Constructors

Name	Description
<a href="#">OpcExclusiveRateOfChangeAlarm(IOpcReadOnlyNodeDataStore)</a>	Initializes a new instance of the <a href="#">OpcExclusiveRateOfChangeAlarm</a> class using the <a href="#">dataStore</a> specified.

## Events

Name	Description
<a href="#">TypeResolve</a>	Occurs when the resolution of an event type fails. Use this event to manually provide the <a href="#">Type</a> to use for a specific event type definition identifier. (Inherited from <a href="#">OpcEvent</a> )

## Properties

Name	Description
<a href="#">BranchId</a>	Gets an identifier which identifies the branch to that the event does belong. (Inherited from <a href="#">OpcCondition</a> )
<a href="#">ClientUserId</a>	Gets an identifier that is related to the <a href="#">Comment</a> and contains the identity of the user who inserted the most recent <a href="#">Comment</a> . (Inherited from <a href="#">OpcCondition</a> )
<a href="#">Comment</a>	Gets the last comment provided for a certain state (condition branch). (Inherited from <a href="#">OpcCondition</a> )
<a href="#">ConditionClassId</a>	Gets a value which specifies in which domain this condition is used. It is the <a href="#">OpcNodeId</a> of the corresponding condition class type. (Inherited from <a href="#">OpcCondition</a> )
<a href="#">ConditionClassName</a>	Gets a value that matches the display name of the condition class type. (Inherited from <a href="#">OpcCondition</a> )
<a href="#">ConditionName</a>	Gets a value which identifies the condition instance that the event originated from. (Inherited from <a href="#">OpcCondition</a> )

Name	Description
DataStore	Gets the <a href="#">IOpcReadOnlyNodeDataStore</a> which contains the data of the <a href="#">OpcEvent</a> instance. (Inherited from <a href="#">OpcEvent</a> )
EventId	Gets a value generated by the server to uniquely identify a particular event notification. (Inherited from <a href="#">OpcEvent</a> )
EventType	Gets the type of event. (Inherited from <a href="#">OpcEvent</a> )
EventTypeId	Gets node identifier which describes the specific type of event. (Inherited from <a href="#">OpcEvent</a> )
HighHighLimit	Gets a value which indicates the high high limit of a value to test for the alarm condition. (Inherited from <a href="#">OpcLimitAlarm</a> )
HighLimit	Gets a value which indicates the high limit of a value to test for the alarm condition. (Inherited from <a href="#">OpcLimitAlarm</a> )
InputNodeId	Gets an identifier which represents the node identifier of the variable the value of which is used as primary input in the calculation of the alarm state. (Inherited from <a href="#">OpcAlarmCondition</a> )
IsAcked	Gets a value indicating whether the condition requires acknowledgement for the reported condition state. (Inherited from <a href="#">OpcAcknowledgeableCondition</a> )
IsActive	Gets a value indicating whether the alarm situation represented currently exists. (Inherited from <a href="#">OpcAlarmCondition</a> )
IsConfirmed	Gets a value indicating whether the condition requires confirmation for the reported condition state. (Inherited from <a href="#">OpcAcknowledgeableCondition</a> )
IsEnabled	Gets a value indicating whether the condition is enabled. (Inherited from <a href="#">OpcCondition</a> )
IsRetained	Gets a value indicating whether the condition is in a state that is interesting for a client wishing to synchronize its state with the server's state. (Inherited from <a href="#">OpcCondition</a> )
IsSuppressed	Gets a value indicating whether the alarm is suppressed due to system specific reasons. (Inherited from <a href="#">OpcAlarmCondition</a> )
IsSuppressedOrShelved	Gets a value indicating whether the alarm is either in the <a href="#">IsSuppressed</a> or shelved. (Inherited from <a href="#">OpcAlarmCondition</a> )
LastSeverity	Gets a value which provides the previous severity of the condition branch. (Inherited from <a href="#">OpcCondition</a> )
LowLimit	Gets a value which indicates the low limit of a value to test for the alarm condition. (Inherited from <a href="#">OpcLimitAlarm</a> )
LowLowLimit	Gets a value which indicates the low low limit of a value to test for the alarm condition. (Inherited from <a href="#">OpcLimitAlarm</a> )
MaxTimeShelved	Gets the maximum time that the alarm condition may be shelved. (Inherited from <a href="#">OpcAlarmCondition</a> )
Message	Gets a value which defines a human-readable and localizable text description of the event. (Inherited from <a href="#">OpcEvent</a> )

Name	Description
Nodeld	Gets the identifier of the node from which this event data snapshot has been created. (Inherited from <a href="#">OpcEvent</a> )
Quality	Gets a value which reveals the status of process values or other resources that this condition is based upon. (Inherited from <a href="#">OpcCondition</a> )
ReceiveTime	Gets the time the OPC UA server received the event from the underlying device of another server. (Inherited from <a href="#">OpcEvent</a> )
Severity	Gets an indication of the urgency of the event. (Inherited from <a href="#">OpcEvent</a> )
SourceName	Gets a description of the source of the event. (Inherited from <a href="#">OpcEvent</a> )
SourceNodeld	Gets the node identifier which identifies the node that the event originated from. (Inherited from <a href="#">OpcEvent</a> )
Time	Gets the time the event occurred. (Inherited from <a href="#">OpcEvent</a> )

## Methods

Name	Description
<a href="#">RegisterType`1</a>	Registers the type defined by <b>T</b> as the <a href="#">OpcEvent</a> type to create in case there an event instance is to be created for the type definition identified by the <a href="#">OpcEventTypeAttribute</a> defined on the <b>T</b> specified. (Inherited from <a href="#">OpcEvent</a> )
<a href="#">RegisterType`1(OpcNodeld)</a>	Registers the type defined by <b>T</b> as the <a href="#">OpcEvent</a> type to create in case there an event instance is to be created for the type definition identified by the <b>eventId</b> specified. (Inherited from <a href="#">OpcEvent</a> )
<a href="#">RegisterTypes(Assembly)</a>	Registers all non-abstract types in the <b>assembly</b> specified which defines the <a href="#">OpcEventTypeAttribute</a> and inherit from <a href="#">OpcEvent</a> . (Inherited from <a href="#">OpcEvent</a> )
<a href="#">RegisterTypes(IEnumerable)</a>	Registers the <b>eventTypes</b> specified as the <a href="#">OpcEvent</a> type to create in case there an event instance is to be created for one of the type definitions identified by the <a href="#">OpcEventTypeAttribute</a> used on one of the <b>eventTypes</b> specified. (Inherited from <a href="#">OpcEvent</a> )
<a href="#">RegisterTypes(Type, Type)</a>	Registers the <b>eventType</b> and the further specified <b>eventTypes</b> as the <a href="#">OpcEvent</a> types to create in case there an event instance is to be created for one of the type definitions identified by the <a href="#">OpcEventTypeAttribute</a> used on the <b>eventType</b> or on one of the <b>eventTypes</b> specified. (Inherited from <a href="#">OpcEvent</a> )
<a href="#">UnregisterType`1</a>	Unregisters the previously registered (see <a href="#">RegisterType`1</a> ) type defined by <b>T</b> as the <a href="#">OpcEvent</a> type to not longer create for the type definition identified by the <a href="#">OpcEventTypeAttribute</a> defined on the <b>T</b> specified. (Inherited from <a href="#">OpcEvent</a> )
<a href="#">UnregisterType`1(OpcNodeld)</a>	Unregisters the previously registered (see <a href="#">RegisterType`1(OpcNodeld)</a> ) type defined by <b>T</b> as the <a href="#">OpcEvent</a> type to not longer create for the type definition identified by the <b>eventId</b> specified. (Inherited from <a href="#">OpcEvent</a> )
<a href="#">UnregisterTypes(Assembly)</a>	Unregisters all previously registered types (see <a href="#">RegisterTypes(Assembly)</a> ) in the <b>assembly</b> specified. (Inherited from <a href="#">OpcEvent</a> )

Name	Description
UnregisterTypes(IEnumerable)	Unregisters the previously registered (see RegisterTypes(IEnumerable)) <b>eventTypes</b> specified. (Inherited from OpcEvent)
UnregisterTypes(Type, Type)	Unregisters the previously registered <b>eventType</b> and the further specified <b>eventTypes</b> (see RegisterTypes(Type, Type)). (Inherited from OpcEvent)

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