PlcObject Class

Namespace: IPS7Lnk.Advanced
Assemblies: IPS7LnkNet.Advanced.dll

Represents an object stored within a programmable logic controller (PLC).

C#

```
public class PlcObject : IPlcSymbol, IPlcEntity, IPlcRelocatable<PlcObject>,
IPlcRelocatable, INotifyPropertyChanged, IDynamicMetaObjectProvider
```

Inheritance Object › PlcObject

Implements IPlcSymbol, IPlcEntity, IPlcRelocatable<PlcObject>, IPlcRelocatable, INotifyPropertyChanged, IDynamicMetaObjectProvider

Constructors

Name	Description
PlcObject	Initializes a new instance of the PlcObject class.
PlcObject(PlcIdentity)	Initializes a new instance of the PlcObject class using the specified `identity`
PlcObject(PlcIdentity, PlcName)	Initializes a new instance of the PlcObject class using the specified `identity` and `name`.
PlcObject(PlcObjectType)	Initializes a new instance of the PlcObject class using the specified `type`
PlcObject(PlcObjectType, PlcName)	Initializes a new instance of the PlcObject class using the specified `type` and `name`.

Events

Name	Description
MemberChanged	Occurs when the value of a PlcMember changed.
PropertyChanged	Occurs when a property value changes.

Properties

Name	Description
Description	Gets or sets more meaningful information about the value and its usage than only using the Name property.
Item(PlcMember)	Gets or sets the value of the `member` specified which is associated with this PlcObject.
Item(String)	Gets or sets the value of the member with the `names` specified which are associated with this PlcObject.
Item(String)	Gets or sets the value of the member with the `name` specified which is associated with this PlcObject.
Members	Gets a collection of PlcMember associated with the PlcObject.
Name	Gets the name of the object.

Name	Description
Tag	Gets or sets the object that contains additional user data about the object.
Type	Gets the PlcType of the object.

Methods

Name	Description
OnMemberChanged(PlcMemberChangedEventArgs)	Raises the MemberChanged event.
OnPropertyChanged(PropertyChangedEventArgs)	Raises the PropertyChanged event.
Relocate(Int32)	Relocates the PlcObject using the specified offset. The original PlcObject remains unmodified.
Relocate(Int32, Int32)	Relocates the PlcObject using the specified offset. The original PlcObject remains unmodified.
Relocate(Int32, Int32, Int32)	Relocates the PlcObject using the specified offset. The original PlcObject remains unmodified.
Relocate(PlcAddress)	Relocates the PlcObject using the specified `address`. The original PlcObject remains unmodified.
RelocateCore(PlcType)	Relocates the object to the `type` specified.
ToString	Converts the object to its string representation.

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