IPlcArray Interface

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

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

C#

```
public interface IPlcArray : IPlcValue, IPlcSymbol, IPlcEntity, IPlcStatusProvider,
IPlcRelocatable<IPlcValue>, IPlcRelocatable, ISupportInitialize, IEnumerable
```

Implements IPlcValue, GetValue(Advanced), IsValidType(System), IsValidValue(System), SetValue(Advanced), SetValue(IPlcDevice, System), SetValue(PlcDeviceConnection, System), ValidateValue(System), IPlcSymbol, IPlcEntity, IPlcStatusProvider, IPlcRelocatable<Relocate>(System), IPlcRelocatable<Relocate>(Int32, System), IPlcRelocatable<Relocate>(Int32, Int32, System), IPlcRelocatable<Relocate>(Advanced), ISupportInitialize, IEnumerable

Events

Name	Description
Changed	Occurs when the value of the Value property has changed. (Inherited from IPlcValue)

Properties

Name	Description
Description	Gets or sets more meaningful information about the symbol and its usage than only using the Name property. (Inherited from IPlcSymbol)
Item(Int32)	Gets the element at the specified index.
Length	Gets a 32-bit integer that represents the total number of elements within the array.
Name	Gets the name of the symbol through that PLC data can be accessed. (Inherited from IPlcSymbol)
Status	Gets the status information provided by the software driver. (Inherited from IPlcStatusProvider)
Tag	Gets or sets the object that contains additional user data about the value. (Inherited from IPlcValue)
Type	Gets the PLC type information associated with the entity. (Inherited from IPlcEntity)
Value	Gets or sets the value assigned to the PLC value. (Inherited from IPlcValue)

Methods

Name	Description
GetElement(Int32)	Retrieves the IPlcValue at the specified index.

Name	Description
GetValue(IPlcDevice)	Retrieves the current value of the PLC value from the `device` specified. (Inherited from IPlcValue)
GetValue(PlcDeviceConnection)	Retrieves the current value of the PLC value from a IPlcDevice using the `connection` specified. (Inherited from IPlcValue)
IsValidType(Object)	Determines whether a specified value is acceptable for this IPlcValue. (Inherited from IPlcValue)
IsValidValue(Object)	Determines whether the provided value is accepted for the type of PLC value through basic type checking and also potentially if it is within the allowed range of value for that type. (Inherited from IPlcValue)
SetValue(IPlcDevice)	Stores the Value in the `device` specified. (Inherited from IPlcValue)
SetValue(IPlcDevice, Object)	Stores the `value` in the `device` specified. (Inherited from IPlcValue)
SetValue(PlcDeviceConnection)	Stores the Value in the IPlcDevice assigned to the `connection` specified. (Inherited from IPlcValue)
SetValue(PlcDeviceConnection, Object)	Stores the `value` in the IPlcDevice assigned to the `connection` specified. (Inherited from IPlcValue)
ValidateValue(Object)	Validates the specified `value` whether it can be assigned to this IPlcValue. (Inherited from IPlcValue)

Table of Contents

Events 1
Properties 1
Methods 1