PlcLRealArray Class

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

Represents a PLC array which addresses an unique data entry stored within a programmable logic controller (PLC) its values are double-precision floating-point numbers (Double).

C#

```
public class PlcLRealArray : PlcArray<double, PlcLReal>, IPlcArray<double, PlcLReal>,
IPlcValue<double[]>, IPlcArray, IPlcValue, IPlcSymbol, IPlcEntity, IPlcStatusProvider,
IPlcRelocatable<IPlcValue>, IPlcRelocatable, ISupportInitialize, IEnumerable<double>,
IEnumerable
```

Inheritance Object › PlcValue<Double> › PlcArray<Double, PlcLReal> › PlcLRealArray

Implements IPlcArray<Double, PlcLReal>, IPlcValue<Double>, IPlcArray, IPlcValue, IPlcSymbol, IPlcEntity, IPlcStatusProvider, IPlcRelocatable<IPlcValue>, IPlcRelocatable, ISupportInitialize, IEnumerable<Double>, IEnumerable

Remarks

While a PLC array of this type represents an array of Double values, all PLC operations performed using this class are done using the LWord. A PLC developer knows an array of this type as an ARRAY OF LREAL.

Constructors

Name	Description
PlcLRealArray(PlcIdentity, Double)	Initializes a new instance of the PlcLRealArray class using the specified `identity` and `values`.
PlcLRealArray(PlcIdentity, Int32)	Initializes a new instance of the PlcLRealArray class using the specified `identity` and `length`.
PlcLRealArray(PlcIdentity, PlcName, Double)	Initializes a new instance of the PlcLRealArray class using the specified `identity`, `name` and `values`.
PlcLRealArray(PlcIdentity, PlcName, Int32)	Initializes a new instance of the PlcLRealArray class using the specified `identity`, `name` and `length`.
PlcLRealArray(PlcLRealArrayType)	Initializes a new instance of the PlcLRealArray class using the specified `type`.
PlcLRealArray(PlcLRealArrayType, Double)	Initializes a new instance of the PlcLRealArray class using the specified `type` and `values`.
PlcLRealArray(PlcLRealArrayType, PlcName, Double)	Initializes a new instance of the PlcLRealArray class using the specified `type`, `name` and `values`.

Methods

Name	Description
GetElementCore(Int32)	Retrieves the PlcLReal at the specified index.

Name	Description
GetValueCore(PlcDeviceConnection)	Retrieves the current value of the PLC value from a IPlcDevice using the `connection` specified.
RelocateCore(PlcAddress)	Relocates the value to the `address` specified.
SetValueCore(PlcDeviceConnection, Double)	Stores the `value` in the IPlcDevice assigned to the `connection` specified.

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