

PlcReal Class

Namespace: IPS7Lnk.Advanced

Assemblies: IPS7LnkNet.Advanced.dll

Represents a [Single](#) value (in PLC a REAL) its value defines a single-precision floating-point number.

C#

```
public class PlcReal : PlcValue<float>, IPlcValue<float>, IPlcValue, IPlcSymbol, IPlcEntity,
IPlcStatusProvider, IPlcRelocatable<IPlcValue>, IPlcRelocatable, ISupportInitialize
```

Inheritance [Object](#) > [PlcValue<Single>](#) > [PlcReal](#)

Implements [IPlcValue<Single>](#), [IPlcValue](#), [IPlcSymbol](#), [IPlcEntity](#), [IPlcStatusProvider](#), [IPlcRelocatable<IPlcValue>](#), [IPlcRelocatable](#), [ISupportInitialize](#)

Remarks

While a PLC value of this type represents a [Single](#) value, all PLC operations performed using this class are done using the [DWord](#). A PLC developer knows a value of this type as REAL.

Constructors

Name	Description
PlcReal(PlcIdentity)	Initializes a new instance of the PlcReal class using the specified identity .
PlcReal(PlcIdentity, PlcName)	Initializes a new instance of the PlcReal class using the specified identity and name .
PlcReal(PlcIdentity, PlcName, Single)	Initializes a new instance of the PlcReal class using the specified identity , name and value .
PlcReal(PlcIdentity, Single)	Initializes a new instance of the PlcReal class using the specified identity and value .
PlcReal(PlcRealType)	Initializes a new instance of the PlcReal class using the specified type .
PlcReal(PlcRealType, PlcName)	Initializes a new instance of the PlcReal class using the specified type and name .
PlcReal(PlcRealType, PlcName, Single)	Initializes a new instance of the PlcReal class using the specified type , name and value .
PlcReal(PlcRealType, Single)	Initializes a new instance of the PlcReal class using the specified type and value .

Methods

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.

Name	Description
SetValueCore(PlcDeviceConnection, Single)	Stores the value in the IPlcDevice assigned to the connection specified.

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