

# 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
<a href="#">PlcReal(PlcIdentity)</a>	Initializes a new instance of the <a href="#">PlcReal</a> class using the specified <a href="#">identity</a> .
<a href="#">PlcReal(PlcIdentity, PlcName)</a>	Initializes a new instance of the <a href="#">PlcReal</a> class using the specified <a href="#">identity</a> and <a href="#">name</a> .
<a href="#">PlcReal(PlcIdentity, PlcName, Single)</a>	Initializes a new instance of the <a href="#">PlcReal</a> class using the specified <a href="#">identity</a> , <a href="#">name</a> and <a href="#">value</a> .
<a href="#">PlcReal(PlcIdentity, Single)</a>	Initializes a new instance of the <a href="#">PlcReal</a> class using the specified <a href="#">identity</a> and <a href="#">value</a> .
<a href="#">PlcReal(PlcRealType)</a>	Initializes a new instance of the <a href="#">PlcReal</a> class using the specified <a href="#">type</a> .
<a href="#">PlcReal(PlcRealType, PlcName)</a>	Initializes a new instance of the <a href="#">PlcReal</a> class using the specified <a href="#">type</a> and <a href="#">name</a> .
<a href="#">PlcReal(PlcRealType, PlcName, Single)</a>	Initializes a new instance of the <a href="#">PlcReal</a> class using the specified <a href="#">type</a> , <a href="#">name</a> and <a href="#">value</a> .
<a href="#">PlcReal(PlcRealType, Single)</a>	Initializes a new instance of the <a href="#">PlcReal</a> class using the specified <a href="#">type</a> and <a href="#">value</a> .

## Methods

Name	Description
<a href="#">GetValueCore(PlcDeviceConnection)</a>	Retrieves the current value of the PLC value from a <a href="#">IPlcDevice</a> using the <a href="#">connection</a> specified.
<a href="#">RelocateCore(PlcAddress)</a>	Relocates the value to the <a href="#">address</a> specified.

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

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