

# PlcRealInfo Class

**Namespace:** IPS7Lnk.Advanced

**Assemblies:** IPS7LnkNet.Advanced.dll

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

**C#**

```
public class PlcRealInfo : PlcValueInfo<float>, IPlcValueInfo, IPlcMemberInfo,
    IPlcRelocatable<IPlcMemberInfo>, IPlcRelocatable
```

**Inheritance** [Object](#) > [PlcMemberInfo](#) > [PlcValueInfo<Single>](#) > [PlcRealInfo](#)

**Implements** [IPlcValueInfo](#), [IPlcMemberInfo](#), [IPlcRelocatable<IPlcMemberInfo>](#), [IPlcRelocatable](#)

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

## Properties

| Name                 | Description                                                                                        |
|----------------------|----------------------------------------------------------------------------------------------------|
| <a href="#">Name</a> | Gets the name of the member.<br>(Inherited from <a href="#">PlcMemberInfo</a> )                    |
| <a href="#">Type</a> | Gets the <a href="#">PlcType</a> of the member.<br>(Inherited from <a href="#">PlcMemberInfo</a> ) |

# Methods

| Name                            | Description                                                                                                                                                                      |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MakeAbsoluteMember(PlcIdentity) | Retrieves the <a href="#">PlcRealInfo</a> as an absolute addressable PLC data member.                                                                                            |
| MakeAbsoluteMember(PlcIdentity) | When implemented in a derived class, retrieves the <a href="#">IPlcMemberInfo</a> as an absolute addressable PLC data member.<br>(Inherited from <a href="#">PlcMemberInfo</a> ) |
| Relocate(Int32)                 | Relocates the <a href="#">PlcMemberInfo</a> using the specified offset.<br>(Inherited from <a href="#">PlcMemberInfo</a> )                                                       |
| Relocate(Int32, Int32)          | Relocates the <a href="#">PlcMemberInfo</a> using the specified offset.<br>(Inherited from <a href="#">PlcMemberInfo</a> )                                                       |
| Relocate(Int32, Int32, Int32)   | Relocates the <a href="#">PlcMemberInfo</a> using the specified offset.<br>(Inherited from <a href="#">PlcMemberInfo</a> )                                                       |
| Relocate(PlcAddress)            | Relocates the <a href="#">PlcMemberInfo</a> using the specified <b>address</b> .<br>(Inherited from <a href="#">PlcMemberInfo</a> )                                              |
| RelocateCore(PlcType)           | Relocates the member to the <b>type</b> specified.                                                                                                                               |
| RelocateCore(PlcType)           | When implemented in a derived class, relocates the member to the <b>type</b> specified.<br>(Inherited from <a href="#">PlcMemberInfo</a> )                                       |
| ToString                        | Retrieves the string representation of the <a href="#">PlcMemberInfo</a> .<br>(Inherited from <a href="#">PlcMemberInfo</a> )                                                    |

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