

# PlcDateTimeInfo Members

**Namespace:** IPS7Lnk.Advanced

**Assemblies:** IPS7LnkNet.Advanced.dll, IPS7LnkNet.Advanced.dll

The [PlcDateTimeInfo](#) type exposes the following members.

## Constructors

### PlcDateTimeInfo(PlcDateTimeType, PlcName)

Initializes a new instance of the [PlcDateTimeInfo](#) class using the specified **type** and **name**.

**C#**

```
public PlcDateTimeInfo(PlcDateTimeType type, PlcName name)
```

#### Parameters

**type** [PlcDateTimeType](#)

The type of value member.

**name** [PlcName](#)

The name of the value member.

#### Exceptions

[ArgumentNullException](#)

The **type** or **name** is a null reference (Nothing in Visual Basic).

### PlcDateTimeInfo(PlcDateTimeType, PlcName, DateTime)

Initializes a new instance of the [PlcDateTimeInfo](#) class using the specified **type**, **name** and **initialValue**.

**C#**

```
public PlcDateTimeInfo(PlcDateTimeType type, PlcName name, DateTime initialValue)
```

#### Parameters

**type** [PlcDateTimeType](#)

The type of value member.

**name** [PlcName](#)

The name of the value member.

**initialValue** [DateTime](#)

The initial value of the new `PlcDateTimeInfo`.

## Exceptions

### `ArgumentNullException`

The `type` or `name` is a null reference (Nothing in Visual Basic).

### `ArgumentOutOfRangeException`

The `initialValue` is out of the bounds defined by `MinValue` and `MaxValue`.

## `PlcDateTimeInfo(PlcIdentity, PlcName)`

Initializes a new instance of the `PlcDateTimeInfo` class using the specified `identity` and `name`.

### C#

```
public PlcDateTimeInfo(PlcIdentity identity, PlcName name)
```

## Parameters

`identity` `PlcIdentity`

The `PlcIdentity` of the type of value member.

`name` `PlcName`

The name of the value member.

## Exceptions

### `ArgumentException`

The `identity` does not refer to the `Byte`.

### `ArgumentNullException`

The `identity` or `name` is a null reference (Nothing in Visual Basic).

## `PlcDateTimeInfo(PlcIdentity, PlcName, DateTime)`

Initializes a new instance of the `PlcDateTimeInfo` class using the specified `identity`, `name` and `initialValue`.

### C#

```
public PlcDateTimeInfo(PlcIdentity identity, PlcName name, DateTime initialValue)
```

## Parameters

`identity` `PlcIdentity`

The `PlcIdentity` of the type of value member.

**name** PlcName

The name of the value member.

**initialValue** DateTime

The initial value of the new PlcDateTimeInfo.

## Exceptions

[ArgumentException](#)

The **identity** does not refer to the [Byte](#).

[ArgumentNullException](#)

The **identity**, or **name** is a null reference (Nothing in Visual Basic).

[ArgumentOutOfRangeException](#)

The **initialValue** is out of the bounds defined by [MinValue](#) and [MaxValue](#).

# PlcDateTimeInfo(PlcName)

Initializes a new instance of the [PlcDateTimeInfo](#) class using the specified **name**

**C#**

```
public PlcDateTimeInfo(PlcName name)
```

## Parameters

**name** PlcName

The name of the value member.

## Exceptions

[ArgumentNullException](#)

The **name** is a null reference (Nothing in Visual Basic).

# PlcDateTimeInfo(PlcName, DateTime)

Initializes a new instance of the [PlcDateTimeInfo](#) class using the specified **name** and **initialValue**.

**C#**

```
public PlcDateTimeInfo(PlcName name, DateTime initialValue)
```

## Parameters

**name** PlcName

The name of the value member.

`initialValue` `DateTime`

The initial value of the new `PlcDateTimeInfo`.

## Exceptions

`ArgumentNullException`

The `name` is a null reference (Nothing in Visual Basic).

`ArgumentOutOfRangeException`

The `initialValue` is out of the bounds defined by `MinValue` and `MaxValue`.

# Methods

## MakeAbsoluteMember(PlcIdentity)

Retrieves the `PlcDateTimeInfo` as an absolute addressable PLC data member.

**C#**

```
public override IPlcMemberInfo MakeAbsoluteMember(PlcIdentity identity)
```

## Parameters

`identity` `PlcIdentity`

The `PlcIdentity` to use to define the absolute location. This identity is used to define the basis starting from that the member is located.

## Returns

`IPlcMemberInfo`

In case there `IsAbsolute` is equals true the reference to this member; otherwise a new instance of the member which refers to an absolute `PlcType`.

## Exceptions

`ArgumentException`

The `identity` specified does not provide the necessary information required to address the type of data.

`ArgumentNullException`

The `identity` is a null reference (Nothing in Visual Basic).

# RelocateCore(PlcType)

Relocates the member to the **type** specified.

## C#

```
protected override PlcMemberInfo RelocateCore(PlcType type)
```

## Parameters

**type** PlcType

The PlcType to that the member is to be relocated.

## Returns

PlcMemberInfo

A new instance of the same type as this PLC member instance relocated to the **type** specified.



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