

PlcTimeOfDayInfo Members

Namespace: IPS7Lnk.Advanced

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

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

Constructors

PlcTimeOfDayInfo(PlcIdentity, PlcName)

Initializes a new instance of the [PlcTimeOfDayInfo](#) class using the specified [identity](#) and [name](#).

C#

```
public PlcTimeOfDayInfo(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 [DWord](#).

[ArgumentNullException](#)

The [identity](#) or [name](#) is a null reference (Nothing in Visual Basic).

PlcTimeOfDayInfo(PlcIdentity, PlcName, TimeSpan)

Initializes a new instance of the [PlcTimeOfDayInfo](#) class using the specified [identity](#), [name](#) and [initialValue](#).

C#

```
public PlcTimeOfDayInfo(PlcIdentity identity, PlcName name, TimeSpan initialValue)
```

Parameters

[identity](#) [PlcIdentity](#)

The [PlcIdentity](#) of the type of value member.

name PlcName

The name of the value member.

initialValue TimeSpan

The initial value of the new PlcTimeOfDayInfo.

Exceptions

[ArgumentException](#)

The **identity** does not refer to the DWord.

[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](#).

PlcTimeOfDayInfo(PlcName)

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

C#

```
public PlcTimeOfDayInfo(PlcName name)
```

Parameters

name PlcName

The name of the value member.

Exceptions

[ArgumentNullException](#)

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

PlcTimeOfDayInfo(PlcName, TimeSpan)

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

C#

```
public PlcTimeOfDayInfo(PlcName name, TimeSpan initialValue)
```

Parameters

name PlcName

The name of the value member.

`initialValue` `TimeSpan`

The initial value of the new `PlcTimeOfDayInfo`.

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`.

PlcTimeOfDayInfo(PlcTimeOfDayType, PlcName)

Initializes a new instance of the `PlcTimeOfDayInfo` class using the specified `type` and `name`.

C#

```
public PlcTimeOfDayInfo(PlcTimeOfDayType type, PlcName name)
```

Parameters

`type` `PlcTimeOfDayType`

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).

PlcTimeOfDayInfo(PlcTimeOfDayType, PlcName, TimeSpan)

Initializes a new instance of the `PlcTimeOfDayInfo` class using the specified `type`, `name` and `initialValue`.

C#

```
public PlcTimeOfDayInfo(PlcTimeOfDayType type, PlcName name, TimeSpan initialValue)
```

Parameters

`type` `PlcTimeOfDayType`

The type of value member.

name PlcName

The name of the value member.

initialValue TimeSpan

The initial value of the new PlcTimeOfDayInfo.

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**.

Methods

MakeAbsoluteMember(PlcIdentity)

Retrieves the PlcTimeOfDayInfo 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.

Table of Contents

Constructors	1
PlcTimeOfDayInfo(PlcIdentity, PlcName)	1
PlcTimeOfDayInfo(PlcIdentity, PlcName, TimeSpan)	1
PlcTimeOfDayInfo(PlcName)	2
PlcTimeOfDayInfo(PlcName, TimeSpan)	2
PlcTimeOfDayInfo(PlcTimeOfDayType, PlcName)	3
PlcTimeOfDayInfo(PlcTimeOfDayType, PlcName, TimeSpan)	3
Methods	4
MakeAbsoluteMember(PlcIdentity)	4
RelocateCore(PlcType)	5