PlcDateTimeInfo Class

Namespace: IPS7Lnk.Advanced
Assemblies: IPS7LnkNet.Advanced.dll

Represents a DateTime value member (in PLC a DATE_AND_TIME) its value defines an instant in time, typically expressed as a date and time of day.

C#

```
public class PlcDateTimeInfo : PlcValueInfo<DateTime>, IPlcValueInfo, IPlcMemberInfo,
IPlcRelocatable<IPlcMemberInfo>, IPlcRelocatable
```

Inheritance Object › PlcMemberInfo › PlcValueInfo<DateTime> › PlcDateTimeInfo

Implements IPlcValueInfo, IPlcMemberInfo, IPlcRelocatable<IPlcMemberInfo>, IPlcRelocatable

Remarks

While a PLC value of this type represents a DateTime value, all PLC operations performed using this class are done using the Byte. A PLC developer knows a value of this type as DATE_AND_TIME.

Constructors

Name	Description
PlcDateTimeInfo(PlcDateTimeType, PlcName)	Initializes a new instance of the PlcDateTimeInfo class using the specified `type` and `name`.
PlcDateTimeInfo(PlcDateTimeType, PlcName, DateTime)	Initializes a new instance of the PlcDateTimeInfo class using the specified `type`, `name` and `initialValue`.
PlcDateTimeInfo(PlcIdentity, PlcName)	Initializes a new instance of the PlcDateTimeInfo class using the specified `identity` and `name`.
PlcDateTimeInfo(PlcIdentity, PlcName, DateTime)	Initializes a new instance of the PlcDateTimeInfo class using the specified `identity`, `name` and `initialValue`.
PlcDateTimeInfo(PlcName)	Initializes a new instance of the PlcDateTimeInfo class using the specified `name`
PlcDateTimeInfo(PlcName, DateTime)	Initializes a new instance of the PlcDateTimeInfo class using the specified `name` and `initialValue`.

Properties

Name	Description
Name	Gets the name of the member. (Inherited from PlcMemberInfo)
Type	Gets the PlcType of the member. (Inherited from PlcMemberInfo)

Methods

Name	Description
MakeAbsoluteMember(PlcIdentity)	Retrieves the PlcDateTimeInfo as an absolute addressable PLC data member.
MakeAbsoluteMember(PlcIdentity)	When implemented in a derived class, retrieves the IPlcMemberInfo as an absolute addressable PLC data member. (Inherited from PlcMemberInfo)
Relocate(Int32)	Relocates the PlcMemberInfo using the specified offset. (Inherited from PlcMemberInfo)
Relocate(Int32, Int32)	Relocates the PlcMemberInfo using the specified offset. (Inherited from PlcMemberInfo)
Relocate(Int32, Int32, Int32)	Relocates the PlcMemberInfo using the specified offset. (Inherited from PlcMemberInfo)
Relocate(PlcAddress)	Relocates the PlcMemberInfo using the specified `address`. (Inherited from PlcMemberInfo)
RelocateCore(PlcType)	Relocates the member to the `type` specified.
RelocateCore(PlcType)	When implemented in a derived class, relocates the member to the `type` specified. (Inherited from PlcMemberInfo)
ToString	Retrieves the string representation of the PlcMemberInfo. (Inherited from PlcMemberInfo)

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