

PlcTimerOperand Members

Namespace: IPS7Lnk.Advanced

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

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

Constructors

PlcTimerOperand(SerializationInfo, StreamingContext)

Initializes a new instance of the [PlcTimerOperand](#) class with serialized data.

C#

```
protected PlcTimerOperand(SerializationInfo info, StreamingContext context)
```

Parameters

info [Serialization.SerializationInfo](#)

The [Serialization.SerializationInfo](#) that holds the serialized object data about the exception being thrown.

context [Serialization.StreamingContext](#)

The [Serialization.StreamingContext](#) that contains contextual information about the source or destination.

Exceptions

[ArgumentNullException](#)

The info parameter is null reference (Nothing in Visual Basic).

[Serialization.SerializationException](#)

The class name is null reference (Nothing in Visual Basic) or [HResult](#) is zero (0).

Methods

CompareTo(Object)

Compares the current [PlcTimerOperand](#) with the **other**.

C#

```
public override int CompareTo(object other)
```

Parameters

other [Object](#)

The [PlcTimerOperand](#) to compare with this [PlcTimerOperand](#).

Returns

[Int32](#)

A 32-bit signed integer that indicates the relative order of the objects being compared ([CompareTo\(Object\)](#)).

CompareTo(PlcTimerOperand)

Compares the current [PlcTimerOperand](#) with another [PlcTimerOperand](#).

C#

```
public int CompareTo(PlcTimerOperand other)
```

Parameters

[other](#) [PlcTimerOperand](#)

The [PlcTimerOperand](#) to compare with this [PlcTimerOperand](#).

Returns

[Int32](#)

A 32-bit signed integer that indicates the relative order of the objects being compared ([CompareTo\(\)](#)).

Equals(Object)

Determines whether the specified [other](#) is equal to this [PlcTimerOperand](#).

C#

```
public override bool Equals(object other)
```

Parameters

[other](#) [Object](#)

The [PlcTimerOperand](#) to compare to the current [PlcTimerOperand](#).

Returns

[Boolean](#)

The value true if the specified [PlcTimerOperand](#) is equal to the current [PlcTimerOperand](#); otherwise the value false.

Equals(PlcTimerOperand)

Determines whether the specified **other** is equal to this **PlcTimerOperand**.

C#

```
public bool Equals(PlcTimerOperand other)
```

Parameters

other **PlcTimerOperand**

The **PlcTimerOperand** to compare to the current **PlcTimerOperand**.

Returns

Boolean

The value true if the specified **PlcTimerOperand** is equal to the current **PlcTimerOperand**; otherwise the value false.

GetHashCode()

Retrieves a hash code for this **PlcTimerOperand**.

C#

```
public override int GetHashCode()
```

Returns

Int32

An **Int32** that contains the hash code for the **PlcTimerOperand**.

GetObjectData(SerializationInfo, StreamingContext)

Sets the **Serialization.SerializationInfo** with information about the exception.

C#

```
[SecurityPermission(SecurityAction.LinkDemand, Flags =  
SecurityPermissionFlag.SerializationFormatter)]  
public override void GetObjectData(SerializationInfo info, StreamingContext context)
```

Parameters

info **Serialization.SerializationInfo**

The **Serialization.SerializationInfo** that holds the serialized object data about the exception being thrown.

context **Serialization.StreamingContext**

The [Serialization.StreamingContext](#) that contains contextual information about the source or destination.

Exceptions

[ArgumentNullException](#)

The [info](#) parameter is a null reference (Nothing in Visual Basic).

Word(Int32)

Creates a new [PlcWordAddress](#) from this [PlcTimerOperand](#) using the [byteNumber](#) specified.

C#

```
public PlcWordAddress Word(int byteNumber)
```

Parameters

[byteNumber](#) [Int32](#)

The number of the byte to that the new [PlcWordAddress](#) refers.

Returns

[PlcWordAddress](#)

A new [PlcWordAddress](#) which refers to this operand and to the [byteNumber](#) specified.

Exceptions

[ArgumentOutOfRangeException](#)

The [byteNumber](#) is out of the bounds defined by [MinByteNumber](#) or [MaxByteNumber](#).

Operators

Equality(PlcTimerOperand, PlcTimerOperand)

Returns a value indicating whether two instance of [PlcTimerOperand](#) are equal.

C#

```
public static bool operator ==(PlcTimerOperand left, PlcTimerOperand right)
```

GreaterThan(PlcTimerOperand, PlcTimerOperand)

Determines whether the first specified [PlcTimerOperand](#) object is greater than the second specified

PlcTimerOperand object.

C#

```
public static bool operator >(PlcTimerOperand left, PlcTimerOperand right)
```

GreaterThanOrEqual(PlcTimerOperand, PlcTimerOperand)

Determines whether the first specified [PlcTimerOperand](#) object is greater than or equal to the second specified [PlcTimerOperand](#) object.

C#

```
public static bool operator >=(PlcTimerOperand left, PlcTimerOperand right)
```

Implicit(String to PlcTimerOperand)

Converts a string formatted as operand to an [PlcTimerOperand](#) object.

C#

```
public static implicit operator PlcTimerOperand(string value)
```

Exceptions

[FormatException](#)

The **value** is not a valid PLC operand.

Inequality(PlcTimerOperand, PlcTimerOperand)

Returns a value indicating whether two instances of [PlcTimerOperand](#) are not equal.

C#

```
public static bool operator !=(PlcTimerOperand left, PlcTimerOperand right)
```

LessThan(PlcTimerOperand, PlcTimerOperand)

Determines whether the first specified [PlcTimerOperand](#) object is less than the second specified [PlcTimerOperand](#) object.

C#

```
public static bool operator <(PlcTimerOperand left, PlcTimerOperand right)
```

Exceptions

[ArgumentNullException](#)

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

LessThanOrEqual(PlcTimerOperand, PlcTimerOperand)

Determines whether the first specified [PlcTimerOperand](#) object is less than or equal to the second [PlcTimerOperand](#) object.

C#

```
public static bool operator <=(PlcTimerOperand left, PlcTimerOperand right)
```

Exceptions

[ArgumentNullException](#)

The [left](#) is a null reference (Nothing in Visual Basic).

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