

PlcOutputOperand Members

Namespace: IPS7Lnk.Advanced

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

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

Constructors

PlcOutputOperand(SerializationInfo, StreamingContext)

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

C#

```
protected PlcOutputOperand(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

Byte(Int32)

Creates a new [PlcByteAddress](#) from this [PlcOutputOperand](#) using the **byteNumber** specified.

C#

```
public PlcByteAddress Byte(int byteNumber)
```

Parameters

byteNumber [Int32](#)

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

Returns

[PlcByteAddress](#)

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

Exceptions

[ArgumentOutOfRangeException](#)

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

CompareTo(Object)

Compares the current [PlcOutputOperand](#) with the [other](#).

C#

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

Parameters

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

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

Returns

[Int32](#)

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

CompareTo(PlcOutputOperand)

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

C#

```
public int CompareTo(PlcOutputOperand other)
```

Parameters

[other](#) [PlcOutputOperand](#)

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

Returns

Int32

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

DWord(Int32)

Creates a new [PlcDWordAddress](#) from this [PlcOutputOperand](#) using the `byteNumber` specified.

C#

```
public PlcDWordAddress DWord(int byteNumber)
```

Parameters

`byteNumber` [Int32](#)

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

Returns

[PlcDWordAddress](#)

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

Exceptions

[ArgumentOutOfRangeException](#)

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

Equals(Object)

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

C#

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

Parameters

`other` [Object](#)

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

Returns

[Boolean](#)

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

Equals(PlcOutputOperand)

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

C#

```
public bool Equals(PlcOutputOperand other)
```

Parameters

other **PlcOutputOperand**

The **PlcOutputOperand** to compare to the current **PlcOutputOperand**.

Returns

Boolean

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

GetHashCode()

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

C#

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

Returns

Int32

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

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 [PlcOutputOperand](#) 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(PlcOutputOperand, PlcOutputOperand)

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

C#

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

GreaterThan(PlcOutputOperand, PlcOutputOperand)

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

PlcOutputOperand object.

C#

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

GreaterThanOrEqual(PlcOutputOperand, PlcOutputOperand)

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

C#

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

Implicit(String to PlcOutputOperand)

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

C#

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

Exceptions

[FormatException](#)

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

Inequality(PlcOutputOperand, PlcOutputOperand)

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

C#

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

LessThan(PlcOutputOperand, PlcOutputOperand)

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

C#

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

Exceptions

[ArgumentNullException](#)

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

LessThanOrEqual(PlcOutputOperand, PlcOutputOperand)

Determines whether the first specified `PlcOutputOperand` object is less than or equal to the second `PlcOutputOperand` object.

C#

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

Exceptions

`ArgumentNullException`

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

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