

# Requirement for value status

## Requirement for status of object value

[DDE reference](#) that enables to get the status of object value:

= D\_2000|STATUS!objname

**D\_2000** - DDE Server name (required).

**STATUS** - requirement for status of object.

**objname** - object name.

DDE reference returns a string in the format "z1;z2;".

- **z1** can be one of the characters: N, U, O, D or E.

<b>N</b>	Normal	Valid value.
<b>U</b>	Undefined	Undefined value.
<b>O</b>	Out of Range	Value out of range.
<b>D</b>	Error	Error.
<b>E</b>	Div by Zero	Divide by zero.

- if **z1** is "N", DDE reference returns also the second part of string - **z2**. This part of the string consists of two characters.

<b>I_</b>	In Limit	The value from the interval <LL..HL>.
<b>VL</b>	Very Low Limit	The value is lower than VLL.
<b>L_</b>	Low Limit	The value is lower than LL.
<b>H_</b>	High Limit	The value is higher than HL.
<b>VH</b>	Very High Limit	The value is higher than VHL.
<b>T_</b>	Transient	Transient status - there was executed a command to set the object value, but there has not been verified the setting of value by backward reading yet.
<b>D_</b>	Default	Default value.
<b>W_</b>	Weak	Weak value - the system does not consider this value as valid because there have not been fulfilled all the conditions of its validity.
<b>WC</b>	Weak Cmd	Weak Command.
<b>WA</b>	Weak Ans	Weak Answer.
<b>LP</b>	Limits Problem	Crossing of the dynamic limits - the condition VLL<LL<HL<VHL has been broken.

The string that returns DDE reference *D2000|STATUS!objname* can be converted into:

1. label of the value status - by the function [GetValueStatusStr](#),
2. label of the value limit - by the function [GetValueLimitStr](#).

The example of DDE reference is - [here](#).



### Related pages:

[Instantaneous values](#)  
[Requirement for object value](#)  
[Requirement for time of value assignment](#)  
[Requirement for value of object flag](#)