

Requirement for status of archive value

DDE reference enables to get the status of object value:

```
= D_2000 | ARCH_STATUS ! bname_N
```

D_2000 - DDE Server name (required).

ARCH_STATUS - requirement for status of archive value (archive object).

bname_N is a string consisting of:

- **bname** - logical name of archive block (COM_ID)
- **N** – consecutive number of archive value within the archive block

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

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

N	Normal	Valid value.
U	Undefined	Undefined value.
O	Out of Range	Value out of range.
D	Error	Error
E	Div by Zero	Dividing by zero.

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

I_	In Limit	The value from an interval <LL..HL>.
VL	Very Low Limit	The value is lower than VLL.
L_	Low Limit	The value is lower than LL.
H_	High Limit	The value is higher than HL.
VH	Very High Limit	The value is higher than VHL.
T_	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.
D_	Default	Default value.
W_	Weak	Weak value - the system does not consider this value as valid because there have not been fulfilled all the conditions of its validity.
WC	Weak Cmd	Weak Command.
WA	Weak Ans	Weak Answer.
LP	Limits Problem	Crossing of the dynamic limits - the condition VLL<LL<HL<VHL has been broken.

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



Related pages:

- [Archive values](#)
- [Requirement for particular archive value](#)