GetJsonVal

***P1* = GetJsonVal(*P2, P3, P4*)**

Operation:

Gets the value with the specified name (*P3*) in a JSON string (*P2*), converts it to the specified data type, and saves the result of the conversion in *P4*. Whether the operation is successful or not is noted in *P1*.
This macro command can get the value of a number, a string, or an array element of numbers/strings.

Parameters:

<table>
<tr><th></th><th>Type</th><th>Size</th><th>Description</th></tr>
<tr><td>P1</td><td>I</td><td>W</td><td>Receives the completion code of the operation.
The following table lists the completion codes:
<table>
<tr><th>Completion code</th><th>Description</th></tr>
<tr><td>0~127</td><td>The operation succeeded.
The number also indicates the string length of the desired value when the desired value is a string.</td></tr>
<tr><td>65533 (0xfffd)</td><td>Value type incompatible with the specified data type</td></tr>
<tr><td>65534 (0xfffe)</td><td>Value string too long</td></tr>
<tr><td>65535 (0xffff)</td><td>Value not found</td></tr>
<tr><td>128~65531</td><td>(Reserved)</td></tr>
</table></td></tr>
<tr><td>P2</td><td>I</td><td>WA</td><td>The JSON string to be parsed. The string must be a Unicode string.</td></tr>
<tr><td>P3</td><td>I</td><td>WA</td><td>The name string of the desired value. The name string must be a Unicode string.</td></tr>
<tr><td>P4</td><td>I</td><td>W,
DW,
QW,
BA,
WA</td><td>The internal memory to save the converted value. The following table lists the supported conversion:
<table>
<tr><th>Data Type Specifier</th><th>Description</th></tr>
<tr><td>S</td><td>16-bit signed integer</td></tr>
<tr><td>U</td><td>16-bit unsigned integer</td></tr>
<tr><td>SD</td><td>32-bit signed integer</td></tr>
<tr><td>UD</td><td>32-bit unsigned integer</td></tr>
<tr><td>S64</td><td>64-bit signed integer</td></tr>
<tr><td>U64</td><td>64-bit unsigned integer</td></tr>
<tr><td>F</td><td>32-bit floating point number</td></tr>
<tr><td>FD</td><td>64-bit floating point number</td></tr>
<tr><td>STR</td><td>8-bit character string terminated with a NULL character</td></tr>
<tr><td>WSTR</td><td>Unicode string terminated with a NULL character</td></tr>
</table></td></tr>
</table>

			B	Bit (For BOOL value)	

I: Internal variable; W: Word; DW: Double-word; QW: Quad-word; BA: Byte array: Word array

Example:

```
$U0 = L"{"value_1" : 100, "value_2" : 200, "value_3" : 300}"
$U100 = L"value_2"
$U200 = GET_JSON_VALUE($U0, $U100, $U201) (U)   // After this macro instruction, the value of $U200
                                                 // will be 0 and the value of $U201 will be 200.
```