Using Macro Command to Get Communication Status

You can use the macro command LINK_STS to get the communication status of a link or a sub-link. The format and the parameters of the macro command are shown below.

p1 = LINK_STS(*p2*, *p3*)

p1: The internal word to receive the status of the specified link or sub-link. The status is a 16-bit value. Table-1 lists the meanings of different status values.
p2: The link number of the communication link.
p3: The node address of the sub-link. If the specified link has no sub-link, this parameter is ignored.

[**Example 1**] The following macro command gets the communication status of link 2 and stores the result in internal word $U100.

$U100 = LINK_STS(2, 0)

[**Example 2**] The following macro command gets the communication status of a sub-link, whose node address is 128, of link 1 and stores the result in internal word $N12.

$N12 = LINK_STS(1, 128)

Table-1 Values of Communication Status

Value	Meaning	Value	Meaning	Value	Meaning
0	OK	9	Checksum error	18	Failed to send data
1	Overrun error	10	Command rejected	19	Failed to receive data
2	Break error	11	Invalid address	20	Failed to open connection
3	Parity error	12	Invalid range	21	Connection not ready
4	Framing error	13	Invalid request	22	Invalid sub-link
5	No response	14	Device busy	23	Invalid COM port
6	Unrecognized response	15	Unknown error	24	Error
7	Timeout	16	Link disabled	255	Condition uncertain
8	Inactive CTS	17	Initialization failure	65535	Failed to get status