

CompoNet 215	<h2 style="margin: 0;">Read Load OFF Wire Status: _CompoNet215_GetLoadOffWire_Stat</h2>
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Basic function	Reads the Output load unconnection status from Slaves on CompoNet. The FB is used for output terminals.								
Symbol	<div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <p><b>Inputs:</b></p> <ul style="list-style-type: none"> <li>Master Unit No. (INT)</li> <li>Slave node address (INT)</li> <li>Slave classification (INT)</li> </ul> </div> <div style="width: 45%;"> <p><b>Outputs:</b></p> <ul style="list-style-type: none"> <li>ENO (BOOL)</li> <li>BUSY (BOOL)</li> <li>OK (BOOL)</li> <li>Error end (BOOL)</li> <li>Stat16 (WORD)</li> <li>FINS error code (DWORD)</li> <li>Explicit message error code (WORD)</li> <li>ExplicitError (WORD)</li> </ul> </div> </div> <p style="text-align: right; margin-top: 10px; font-size: small;">Use output status appropriately according to target models.</p>								
File name	Lib\FBL\omronlib\RemotelO\CompoNet\_CompoNet215_GetLoadOffWire_Stat10.cxf								
Applicable models	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; padding: 5px;">Applicable Master units</td> <td style="padding: 5px;">CS1W-CRM21 / CJ1W-CRM21</td> </tr> <tr> <td style="padding: 5px;">Applicable Slave units</td> <td style="padding: 5px;"> <ul style="list-style-type: none"> <li>• Models with 8 output points: CRT1-OD08TAH(-1)/CRT1-OD8SLH(-1)</li> <li>• Models with 16 MIX points: CRT1-MD16TAH(-1)/CRT1-MD16SH(-1)/CRT1-MD16SLH(-1)</li> <li>• Models with 16 output points: CRT1-OD16TAH(-1)/CRT1-OD16SH(-1)/CRT1-OD16SLH(-1)</li> <li>• Models with 32 MIX points: CRT1-MD32SH(-1)/CRT1-MD32SLH(-1)</li> <li>• Models with 32 output points: CRT1-OD32SH(-1)/CRT1-OD32SLH(-1)</li> </ul> </td> </tr> <tr> <td style="padding: 5px;">CPU</td> <td style="padding: 5px;">                     CS1*-CPU**H in Unit version 3.0 or later                      CJ1*-CPU**H in Unit version 3.0 or later                      CJ1M-CPU** in Unit version 3.0 or later                      CP1H                 </td> </tr> <tr> <td style="padding: 5px;">CX-Programmer</td> <td style="padding: 5px;">Version 3.0 or later</td> </tr> </table>	Applicable Master units	CS1W-CRM21 / CJ1W-CRM21	Applicable Slave units	<ul style="list-style-type: none"> <li>• Models with 8 output points: CRT1-OD08TAH(-1)/CRT1-OD8SLH(-1)</li> <li>• Models with 16 MIX points: CRT1-MD16TAH(-1)/CRT1-MD16SH(-1)/CRT1-MD16SLH(-1)</li> <li>• Models with 16 output points: CRT1-OD16TAH(-1)/CRT1-OD16SH(-1)/CRT1-OD16SLH(-1)</li> <li>• Models with 32 MIX points: CRT1-MD32SH(-1)/CRT1-MD32SLH(-1)</li> <li>• Models with 32 output points: CRT1-OD32SH(-1)/CRT1-OD32SLH(-1)</li> </ul>	CPU	CS1*-CPU**H in Unit version 3.0 or later CJ1*-CPU**H in Unit version 3.0 or later CJ1M-CPU** in Unit version 3.0 or later CP1H	CX-Programmer	Version 3.0 or later
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CX-Programmer	Version 3.0 or later								
Used Language	Ladder logic language								
Conditions for usage	<ul style="list-style-type: none"> <li>- CPU Unit settings                             <ul style="list-style-type: none"> <li>PC setup: Shared Settings for Communication Instructions in FBs                                     <ul style="list-style-type: none"> <li>• CompoNet response timeout time (default in 2s): recommendable in 10s</li> <li>• Number of retries (default in 0)</li> </ul> </li> </ul> </li> <li>- Shared resources                             <ul style="list-style-type: none"> <li>• Communication ports (internal logic ports)</li> </ul> </li> <li>- Other                             <ul style="list-style-type: none"> <li>• Communication must be within one network and cannot cross over to another network.</li> </ul> </li> </ul>								
Function description	It gets the output load unconnection status on a CompoNet Slave, which is specified by the Master Unit No., the Slave node address and the Slave classification. Refer to the FINS error code and the Explicit message error code when having an error. Both error code outputs at a normal end are #00000.								
FB Definition Type	Processing over multiple cycles After the start-up, the FB is processed over multiple cycles. In order to save the internal state, an identical instance cannot be used in multiple locations at the same time.								



■ Variable table

Input variables

Name	Variable name	Data type	Default	Range	Description
EN	EN	BOOL	0		1(ON): To start FB. 0(OFF): Not to start FB.
Master Unit No.	MasterUnitNo	INT	&0	&0 to &95 &#0 to &5F	To specify the unit number of the CompoNet Master unit.
Slave node address	NodeNo	INT	&0	&0 to &63	To specify the Slave node address.
Slave classification	NodeType	INT	&2	&2 or &3	Slave classification 2: OUT Word Slave 3: MIX Word Slave

Output variables

Name	Variable name	Date type	Range	Description
ENO (May be omitted)	ENO	BOOL		1(ON): FB functions normally. 0(OFF): FB does not start up or has an error end.
Busy flag	BUSY	BOOL		To turn off automatically after the process completes.
Normal end	OK	BOOL		Cycle goes ON for once after the normal end.
Error end	NG	BOOL		Cycle goes ON for once after the error end.
Output load unconnection status DWORD bit (May be omitted)	Stat32	DWORD	#00000000 to #FFFFFFFF	To output the output load unconnected status. <<Data description>> • In a 8-output point unit, Bit0 to 7: unconnected status of terminal 0 to 7. Bit8 to 31: Reserved(OFF) • In a 16-output point unit, Bit0 to 15: unconnected status of terminal 0 to 15. Bit16 to 31: Reserved(OFF) • In a 32-output point unit, Bit0 to 31: unconnected status of terminal 0 to 31. 0(OFF): Normal 1(ON): Shorted
FINS error code (May be omitted)	FINSError	WORD		To output the FINS error code. The output will be #0000 in a normal end. Refer to the <b>Related manuals</b> for details of the error codes.
Explicit message error code (May be omitted)	ExplicitError	WORD		To output the Explicit message error code. The output will be #0000 in a normal end. Refer to the <b>Related manuals</b> for the details of the error codes.

■ Version history

Version Number	Date	Description
1.00	2008.05	Original production