JetControl 24x

Version Update

from V. 3.17 to V. 3.18

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1   Introduction

Version Updates - Survey			
Version	**Function**	**upgraded**	**corrected**
V. 3.18	System bus		✓
	Networking	✓	✓
	Communication protocol	✓	
V. 3.17	Interpreter		✓
V. 3.16	Interpreter	✓	✓

2 Expansions

2.1 NetCopyList

In the NetCopyList functions (Systemfunction 150 .. 152), the total number of communication units had been limited to 50 in 10 lists. As of this version, up to 500 communication units are possible. The number of lists will still be 10.

2.2 Communication Protocol pcom9

As of this operating system version, JetControl 24x supports a new command in the JetIP realtime protocol and in the serial interfaces. This way, it is always possible now to set and/or to clear one or several bits of a variable.
In order to recognize that the controller has supported this new command, protocol version number 1 is returned.

In Jet32RK, the new command is supported by Jet32Ex2.dll as of version 1.30.

3   Eliminated Software Bugs

3.1   System Bus

As of this version, the system bus driver, version 1.33, is applied. It is for eliminating the bug of not correctly commissioning ECOSTEP drives and VACON variable frequency converters.

3.2   Controlling the Network

The four network offset registers 2702 through 2705 would not be handled correctly, if they contained a negative value. If they contained positive values, correct calculation would be made.

3.3   Ethernet

When the Ethernet cable between a switch and a hub was changed, JetControl occasionally did not set its Ethernet interface properly. Thus, telegrams could get lost.
If, after changing the cable, JetControl 24x was restarted, this problem would not occur.