

Version update



JX3-BN-ETH
Version Update from V. 1.20 to V. 1.36

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Bucher Automation AG

Thomas-Alva-Edison-Ring 10
71672 Marbach/Neckar, Germany
T +49 7141 2550-0
info@bucherautomation.com

Technical support
T +49 7141 2550-444
support@bucherautomation.com

Sales
T +49 7141 2550-663
sales@bucherautomation.com

www.bucherautomation.com

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1 New additions

1.1 Gratuitous ARP Integration

As soon as the Ethernet interface becomes active, the device's own IP address is automatically broadcast to the other bus participants.

This occurs when the device is reset and also when the IP address of the respective device changes.

This allows every bus participant that is already active to update its ARP table.

There is no need for an active query for new IP participants. This speeds up initial contact with new participants when necessary.

1.2 Timeout Before the first Publication

The Bucher Automation Ethernet system bus now has a new register for monitoring the timeout period for receiving a publication for a subscription.

- **Index:** 250005

- **Name:** Start Timeout in milliseconds

- **Description:** Timeout for the start of communication

Previously, a subscription had to receive at least one publication before the timeout monitoring via register 250x27 became active. If the first publication had already exceeded the timeout period, this was not recorded as an error.

To address this, the additional "Start Timeout" function is now available via register 250005. This register monitors the reception of publications for all subscriptions.

Detected timeout errors are displayed in the following registers:

- 250000

- 250002

- 254001 through 254003

After the start timeouts have expired, register 250005 is reset to 0.

The register can be written to repeatedly, allowing timeout monitoring to be triggered manually.

2 Bugfixes

2.1 New Minimum OS Version Starting with Hardware Version 6.00

Starting with hardware revision 6.00, OS version 1.36.0.00 or higher must be used, as the flash chip now in use is not backward compatible.