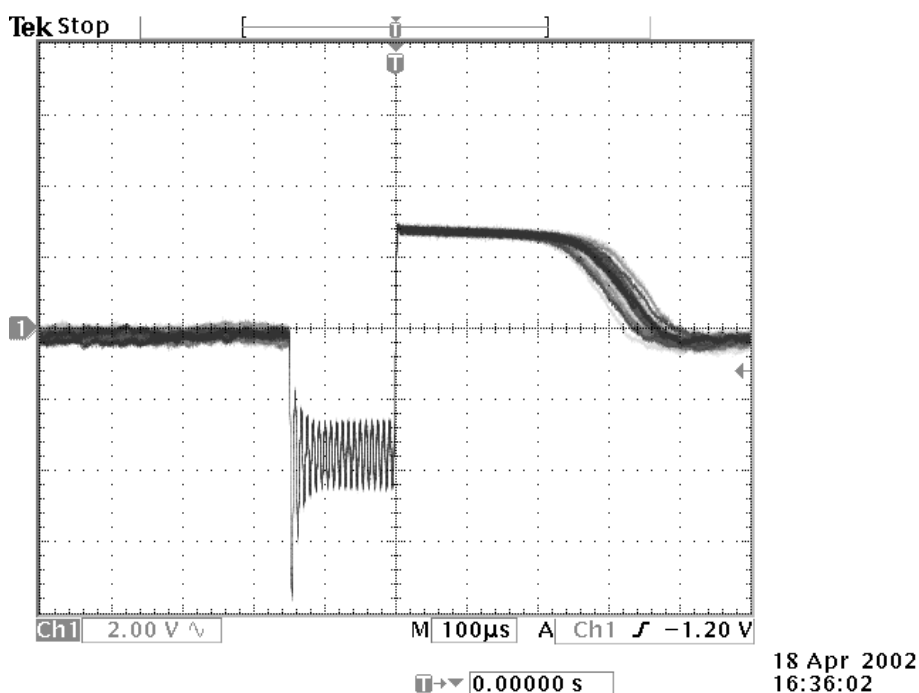


APPLICATION NOTE
SHARING INTELLIGENT SOLUTIONS

KEY WORDS:

Title:	5100PC and Din Rail Power Supplies
Products Applicable:	5100PS & Any Din Rail C-Bus Unit with a Power Supply

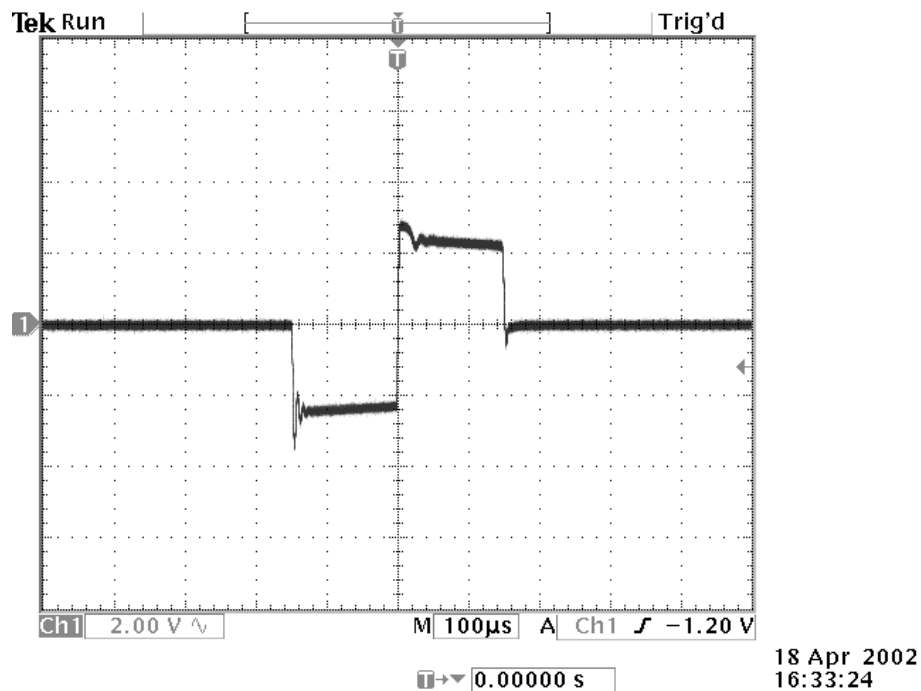
When using an old PCI (5100PC) and any C-Bus unit that contains a Din Rail C-Bus Power Supply, there may be a strange oscillation that is superimposed onto the negative going pulse of the C-Bus clock as shown below.



The ringing on the negative part of the C-Bus clock pulse will disrupt the operation of the Microprocessor in C-Bus units and will stop the network from operating.

This measurement was taken with a C-Bus Network consisting of a 5500PS Power Supply and a 5100PC Interface only. It seems as though with the network burden enabled on the 5100PC Interface (using the jumper terminal), there little effect over the over all network impedance.

As a result of this the Toolkit Software cannot scan in the C-Bus network. To remedy this problem, simply add a RJ-45 hardware network burden to the C-Bus network, and the waveform will be rectified as shown below.



Technical Support and Troubleshooting

For technical assistance call: 1300 722 247 (Australia)
0800 888 219 (New Zealand)

CIS web site: <http://www.clipsal.com/cis/>

© Copyright Clipsal Integrated Systems Pty Ltd 2005. All rights Reserved. This material is copyright under Australian and international laws. Except as permitted under the relevant law, no part of this work may be reproduced by any process without prior written permission of and acknowledgement to Clipsal Integrated Systems Pty Ltd.

Clipsal and C-Bus are registered trademarks of Clipsal Australia Pty Ltd.

The information in this document is provided in good faith. Whilst Clipsal Integrated Systems (CIS) has endeavoured to ensure the relevance and accuracy of the information, it assumes no responsibility for any loss incurred as a result of its use. CIS does not warrant that the information is fit for any particular purpose, nor does it endorse its use in applications which are critical to the health or life of any human being. CIS reserves the right to update the information at any time without notice.