Using 1771-IBN and 1771-IVN Modules in a PLC-5 Extended Local System

Release Notes

General

This release note defines a problem that exists, under certain conditions, with 1771-IBN 10–30V dc input module and 1771-IVN 10–30V dc input modules. This release note provides:

- a description of the problem
- when it can occur
- how to identify affected modules
- what to do if you have an affected module

Description of Problem

When using certain 1771-IBN or 1771-IVN modules in a PLC-5/40L or -5/60L (1785-L40L or -L60L) extended local system, **and** your system uses a 1771-ALX in the extended local chassis, it is possible to power up in a mode that could result in **unpredictable operation caused by misaddressed inputs and outputs in the chassis.**

When It Can Occur

These conditions occur intermittently at power up under certain configurations. A system powered up and properly running won't exhibit this problem. Temporary power outages or brownouts can momentarily interrupt system power, and cause this problem to occur.

How to Identify Affected Modules

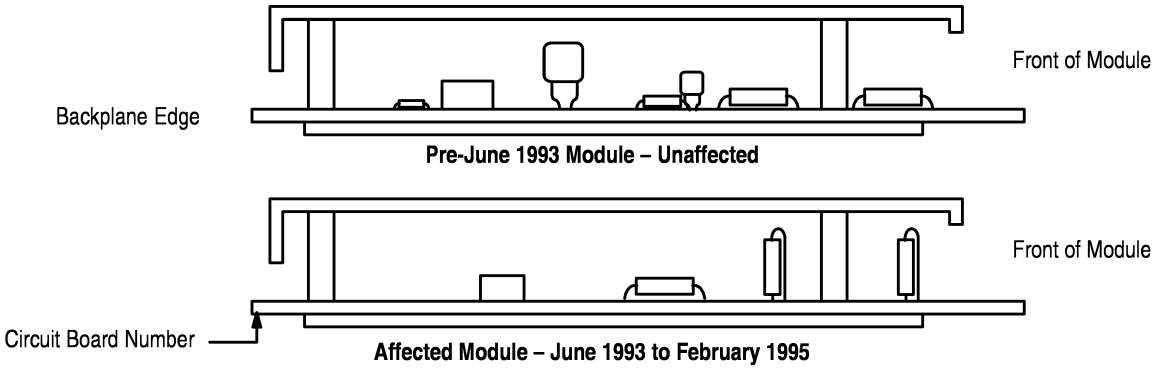
Affected modules are identified by part numbers on the backplane edge of the printed circuit board (see table), or component layout (see illustration).

Catalog Number	Circuit Board Part Number[1]	Build Date	What to do?
1771-IBN	961336☐☐	June 1993 to February 1995	**Affected Modules – Replace**
1771-IVN	961340☐☐		
1771-IBN	See note 2 below	Prior to June 1993	**Unaffected Modules – Do Not Replace**
1771-IVN	See note 2 below		
1771-IBN B	961336☐☐	June 1993 to February 1995	
1771-IVN B	961340☐☐		

[1] Last 2 digits can be any number
[2] These modules do not have a 961☐☐☐☐☐ number on the backplane edge of the circuit board. Refer to the illustration.

Note: Modules identified as Series B with the above circuit board part numbers are **unaffected** modules. Modules built prior to June 1993 are also **unaffected** modules.

You can identify pre-June 1993 modules by viewing the module from the bottom.



What to Do If You Have an Affected Module

If it is necessary to cycle power to your system or individual chassis while affected modules are in use:

1. Shut off power to the chassis.
2. Remove extended local cable from the chassis.
3. Power up the chassis.

ATTENTION: To reduce the possibility of unintended system operation, make certain that your processor is **not** in RUN mode before you reattach the extended local cable.

4. Reattach the extended local cable.

We strongly recommend immediate replacement or repair of any affected modules. For details, contact your local A-B district office.

Publication AG-5.9 – April 1995
Supersedes publication AG-5.9 – February 1995

PN955121–68