

# Technical Service Bulletin

Phone: 814-238-2700

**TSB # 26**

VertexRSI, State College, PA

Fax: 814-238-2652

Per ECR # N/A

**Product(s) affected:**

Redundant Line Driver Systems with Serial IO option, all bands, having firmware v1.09 or earlier.  
Fixed-Phase-Combined SSPA Systems having firmware v1.09 or earlier.  
Redundant Converter Systems with Serial IO option, all bands, having firmware v1.09 or earlier.  
Redundant Switch Controllers for Block Converters, having firmware v1.09 or earlier.

**Description of problem:**

At infrequent intervals, spurious Unit alarms, power supply faults, or communications faults may be reported. Some faults may not clear until the product is reset.

BRK110117.0001	LRC110130.0001	LRL110103.0001	RSC7275.0001
BRK110123.0001	LRC110131.0001	LRL110104.0001	RSC7984.0001
	LRC110133.0001	LRL110105.0001	RSC0915.0001
BRC120105.0001	LRC110134.0001	LRL110106.0001	RSC9515.0001
BRC120107.0001	LRC110135.0001	LRL110107.0001	
BRK120121.0001			<b>Note:</b>
BRK120122.0001	LRK110104.0001	LRV110105.1000	Some systems not listed
BRK120124.0001	LRK110105.0001		may have Serial IO
BRK120126.0001	LRK110106.0001	FRC1100.1000	which has been added by
BRK120130.0001	LRK110107.0001	TPCB-13793-1	the customer in the field.

**Design change to resolve problem:**

Revised listed firmware to version 1.091 to correct firmware/hardware timing issue.

IFLS-15268V10  
IFLS-14267V10  
IFLS-14298V10  
IFLS-15901V10

**Instructions for modification:**

Obtain firmware version 1.091 (or later) for the appropriate product configuration (1:1, 1:2, 1:1 dual-band, etc.)  
Follow instructions in upgrade package to reprogram product.

**Upgrade package available by:**

- 1) emailing techsupport.statecollege@tripointglobal.com
- 2) visiting www.tripointglobal.com, VertexRSI division, Electronics area, "Firmware and Software Updates"
- 3) contacting VertexRSI State College division by any other means.

**Units that must be modified:**

This upgrade is suggested for all units with Serial IO, regardless of whether Serial IO is being utilized.

**Units that do not need to be modified:**

- 1) Systems without Serial IO option
- 2) Systems delivered with firmware version 1.091 or later.

**Cognizant Engineer:**

P Ganter

**Date:**

6/4/2004