
 GOVERNORS AMERICA CORP. Engine Governing Systems	<b>Document:</b> Data Sheet <b>Version:</b> 1 <b>Status:</b> actual <b>Author:</b> bs <b>Date:</b> 03-04-07 <b>Approved:</b> ro <b>Date:</b> 03-04-07 <b>File:</b> PC	<b>LSI 101</b> <b>Load Sharing Interface</b> <b>GAC to Woodward</b> GAC PTI 4014 Rev.XA Dec.2002	 HUEGLI TECH LTD SWITZERLAND Tel.: +41-62-916 50 30 Fax. +41-62-916 50 35 www.huegli-tech.com

# LSI 101

## LOAD SHARING INTERFACE

### DESCRIPTION

The Governors America Corporation LSI101 is an electronic device that allows GAC Load Sharing Modules to operate in parallel with Woodward 2301A load sharing systems.

The function of the LSI101 is to make the parallel cables of the GAC Load Sharing System compatible with those of the Woodward 2301A system. One LSI101 is required for each GAC Load Sharing System.

The parallel cables in the GAC system have a floating reference, while the Woodward system has a battery ground reference. The LSI101 converts the floating reference to a fixed reference and adjusts the output from its Terminal 7 to the GAC governing system accordingly.

### WIRING

The wiring for a typical generator paralleling system is shown below.

### ADJUSTMENT

With the genset in single unit, isochronous operation, apply load to the generator. If droop is present, adjust the DEDROOP until operation is isochronous.

If the Woodward system has a Dedrop adjustment, set it per their instructions.

Adjust load sharing per GAC instructions using the LOAD SHARING section of the applicable technical literature.

