Altronic, Inc.

Service Bulletin

Date: 3-5-04

Subject: GOV-10/50 WIRING DETAILS

Wiring for the Altronic GOV-10/50 Governor is detailed in the Operating Manual, FORM GOV OM 8-03, drawing number 809 020, which is the last page of this document. Originally, the CCC version of this governor was equipped with a "pigtail" of color coded wires that were terminated in a junction box outside of the GOV unit. The Altronic version of this valve provides for the usage of an optional "connector adapter" which allows a valve to be removed or replaced with the simple removal of a screw on MS connector that is similar to those in use on ignition systems primary harnesses.

Wiring this 19-pin connector (done outside of the Altronic factory) adapter to the terminals inside of the GOV is straightforward, but with 24 GOV Terminals, an explanation may simplify the wiring of 19 wires to a 24 terminal connector arrangement.

First, the **"NOTE"** on this drawing should be explained somewhat. Due to the limit of the 19 wires/pins in the connector adapter, some "common" wires must be shared from the 24 terminals. Of these, the following are shared:

"B – (B) SAME CONNECTOR PIN" – "B" is connected to the POWER (-) which IS internally connected to the AUX1(-) connection. No external jumper is required for the AUX1 device to be common with the supply common (-).

"E – (E) SAME CONNECTOR PIN" - "E" is connected to AOUT1 (+) which is a 24 volt source, as well as needing to be jumpered to "(E)" which is the AOUT2 (+). These analog outputs are functioning as 2-wire transmitters, with +24VDC being applied to the (+) terminals, and the (-) terminal is the **POSITIVE** 4-20mA output. This is a traditional hookup for a 2-wire transmitter.

"S – (S) SAME CONNECTOR PIN" - "S" is connected to DIN1 (-), which must then be jumpered to "(S)", which is the (-) for DIN2. Without the jumper in place to the common (-) of DIN2, the "Cancel Warmup Timer" may not operate when + 24VDC is applied to DIN2! Digital Inputs 1 and 2 (DIN1 and DIN2) have a "+" and "-" terminal upon which a 24VDC signal is applied for actuation. The application of this voltage for at least 30 milli-seconds will actuate these digital inputs.