

Thank you for purchasing the Intellitron AS-3002GL. In addition to routing RF energy from point-A to point-B, it is designed to deliver multiple levels of protection for your valuable station equipment. Please read these instructions carefully for important information regarding specifications, grounding, and maintaining the gas-discharge tube (ARC PILL).

## **SPECIFICATIONS**

**Switch Positions:** A and B, unselected port grounded

**Center-off Position:** A and B both grounded, input (radio) disconnect

**Connectors:** Teflon SO-239

**Lightning Protection:** Replaceable gas surge-protection (ARC PILL)

**Power Handling:** 2.5 kW PEP, 1kW CW

**Port Isolation:** > 60 dB at 300 MHz, > 40 dB at 450 MHz

**Insertion Loss:** < 0.2 dB across frequency range

## **GROUNDING**

Connect the switch block to your station ground via shortest practical route, preferably using solid copper wire. Note that copper braid is not an effective static discharge conductor. A grounding tab is provided for ground-wire connection.

## **ARC PILL**

The gas discharge tube (ARC PILL) provides protection from nearby lightning strikes that might otherwise damage equipment connected to a selected antenna (note that nothing can protect equipment from a direct hit). If you observe decreased receiver sensitivity or an unexplained increase in transmit SWR after a severe weather event, check the tube for damage.

Access the tube by unscrewing the brass plug located below the switch knob. To remove the tube, grasp it's contact wire with tweezers – or turn the switch over and tube tap. Using an ohmmeter, check the DC resistance across the contacts. If the resistance shows a direct short or is measurable -- or if the tube appears cracked and discolored – it should be replaced. A Littelfuse P/N: CG21000, replacement tube (or equivalent) is available directly from Intellitron and other sources. The tube is non-polarized, so it may be installed either way.



### **TWO YEAR LIMITED WARRANTY**

This Limited Product Warranty is provided by the Dealer where your Intellitron product was purchased. The Product Warranty extends only to the original purchaser of the product and is valid for a period of two years from the date of purchase. Please keep your dated sales receipt as evidence of the date of purchase. You will need it to receive warranty service. Your Dealer warrants the product will be free from defects in workmanship and materials under normal use. If the product fails to conform to the warrant and is within the warranty period of two years, contact your original dealer for a return authorization. Your dealer may choose to either repair or replace the non-conforming product.