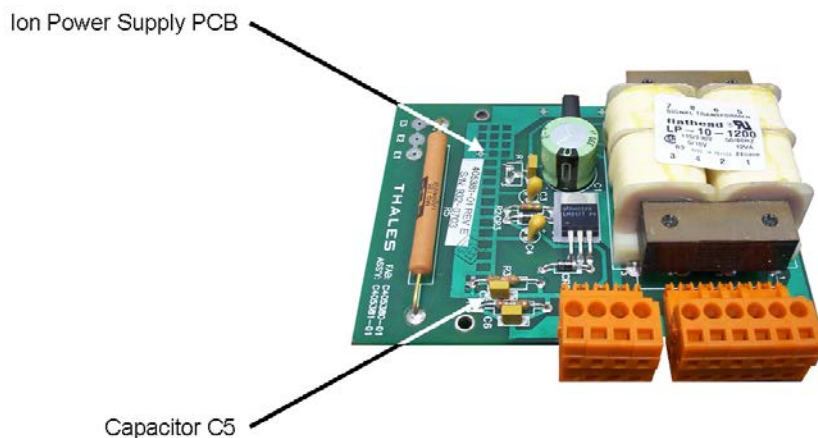


## Technical Service Bulletin 040706

### Spellman Ion Power Supply Replacement

Comark is now providing a replacement ion power supply for the now obsolete type 600894-01 supply in S Series IOT, IOX, and non-Millennium DCX transmitters. This new supply is identified by part number 453225-01. When installing this supply in an existing FBI supply assembly, a change must be made to capacitor C5 on the type 405381-01 Ion Power Supply PCB (required for Rev E or earlier). The value of this capacitor must be increased to .01  $\mu$ F to prevent spurious ion current readings and/or alarms whenever the HPA cabinet is transmitting at full power, especially in analog service. To implement this change, the ion regulator board should be removed from the FBI assembly, the existing C5 removed with solder braid or a desoldering iron, and a new .01  $\mu$ F capacitor installed in its place with fresh 50/50 solder. All remaining solder flux should be removed with isopropyl alcohol and a cotton swab.



A .01 $\mu$ F ceramic disk capacitor may be obtained free-of-charge by contacting Comark Customer Service at 1-800-345-9295 (request part number 700262-01) or purchased at a local electronics supply store (Radio Shack #272-131 .01 $\mu$ F 500WVDC or equivalent)

Here at Comark, we are constantly striving to improve the satisfaction of both our new and existing customers. Please do not hesitate to contact Comark Customer Service with any questions you may have concerning the contents of this service bulletin.

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