



PRODUCT ADVISORY LETTER (PAL)

PRODUCT ADVISORY LETTER NO.: F046-08001**DATE:** 4-20-08**AFFECTED PRODUCT(S):** FOCUS multiplexers with V4W channel modules

AFFECTED MODULE(S): V4W channel modules (1613C09G0x) that were manufactured between 1-1-05 (date code 0501) and 4-2-07 (date code 0712) should be examined. The manufacturing date can be determined by looking at the serial number which is of the form "xTV4W1 **0712** xxxx" (where 0712 = is the date of manufacture and is of the form yyww, yy = 2-digit year, ww = week). Serial numbers are located on the backside of the module on a white bar-coded label.

The 3-terminal regulator in position U6 (close to the DIN connector) should be examined. If the regulator is an **ST** Microelectronics brand (part # L7905ACV, with "ST" logo) it needs to be replaced due to excessive noise on its output. Regulators with a Motorola prefix "MC" before the 7905 are okay and do not need to be replaced.

SYMPTOM(s): High noise levels occur on the V4W channel module.

RECOMMENDATION: Ametek recommends the corrective action listed below be taken for all V4W channel modules described above, whether or not the above symptom has been experienced to date.

CORRECTIVE ACTION: Call Ametek at phone # 800-785-7274 (customer service) to obtain a Return Material Authorization (RMA) number, and reference this PAL. Three options are available for updating affected units.

1. A modification kit can be sent to those customers comfortable with replacing the three-conductor soldered regulator.
2. Modules can be sent to Ametek and will be returned after being updated in approximately 10 days.
3. Advance replacements can be supplied in limited quantities with the affected modules being returned in the same packaging. (With this option you will not receive your original units back after updating.)

This modification is available at no charge and will not affect any applicable warranties no matter which of the above options are selected.

TECHNICAL DETAILS: V4W channel modules built with ST Microelectronics +5V voltage regulators have produced excessively high noise after being powered on for an indeterminate amount of time. Other voltage regulator manufacturers, specifically Motorola, do not have this problem.

Ametek Power Instruments appreciates your past support and we want to continue to provide you the best service possible. Please help us by letting us know if future notices should be sent to another individual.

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