TEST REPORT

No. 13978 010 A
English version - original in french

ISSUED TO: **FRANKLIN FRANCE**
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SUBJECT: LIGHTNING CURRENT SHOCK WAVE TESTS ON THREE OVERVOLTAGE COUNTERS MANUFACTURED BY FRANKLIN FRANCE

Date of tests: September 7th and 8th, 1999.

This document is composed of two pages.

Fontenay-aux-Roses, October 10, 1999

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1 - TESTED ITEM

The tests were performed on three overvoltage counters manufactured by FRANKLIN FRANCE with the following inscriptions:

Ordering reference: AFV 0908 CS
Display: 00 to 99

Detection threshold for a 8/20 μs wave shape (minimum discharge current detected): 150 A
Maximum discharge current detected: 60 kA for a 8/20 μs wave shape (90 kA for 4/10 μs)

2 - TESTS PERFORMED

The tests performed were lightning shock wave tests with a lightning wave shape of 8/20 μs.

3 - DATE OF TESTS

The tests were performed at LCIE Laboratories on the 7th and 8th of September 1999, in the presence of a member of the FRANKLIN FRANCE company and according to his instructions.

4 - APPLICATION MODE OF THE SHOCK WAVES AND TEST RESULTS

For each counter, 8/20 μs shaped lightning current shock waves (in conformity with the recommendations of IEC 60.1 publication of 1989) of variable amplitude from 150 A to 78 kA were applied with either polarity between the input and output conductors.

No anomaly was observed during these tests.

The counting of the number of lightning shock waves applied was identical to the number of generated shock waves.

5 - CONCLUSION

The test results are in conformity with the specifications listed in the manufacturer's data sheet.