

Technology

Research & Technology Centre

ENVIRONMENTAL TEST CERTIFICATE NO: 993/214

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CUSTOMER: RTK Engineering Ltd
St Peters Square
Harrogate. HG2 0NP

CUSTOMER ORDER NO: 8990

ART PROJECT NO: 960067

DATE OF TEST ITEM RECEIPT: 21st March 2001

TEST DATE: 3rd to 6th April 2001

TEST SPECIFICATION: IEC 60255-21: 1988

TEST ITEM: One off Alarm Annunciator, Type P725,
Serial No. P725-1335.
Options P725/M/6W/6H/6T/62A/LED/RLY

MANUFACTURER: RTK Engineering Ltd

TESTING:

The test item was subjected to the following tests, in accordance with IEC 60255-21, Vibration, shock, bump and seismic tests on measuring relay and protection equipment.

Vibration Test

The test item was subjected to sinusoidal vibration testing as detailed in IEC 60255-21-1, Vibration Response Test, Class 1, as follows:

Test item status	:	Operational
Frequency range	:	10 to 150 Hz
Vibration level	:	0.035 mm pk 10 to 59.6 Hz 0.5 g pk 59.6 to 150 Hz
Sweep rate	:	1 octave per minute
Number of sweeps	:	1 sweep cycle in each of 3 axes

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FUNCTION TESTING:

Not UKAS Accredited

Function testing of the annunciator was carried out by ART personnel to RTK Test Procedure TP725-7, 26 March 2001.

Sequences 1 to 9 of this test procedure were carried out on completion of testing in each axis. This tested all 62 relays and the five common relays on the SPR module.

Sequence 10 of the test procedure was carried out on completion of all testing. The "Programming Example" and the following paragraph on "Checking Programmed Settings" on page 41 of the Series 725 Alarm Annunciator Instruction Manual were followed, but extended to check all channels.

All the above function testing showed the test item to be operating as intended.

Tests marked "Not UKAS Accredited" in this certificate are not included in the UKAS Accreditation Schedule for ALSTOM Research & Technology Centre.

TESTED BY J. E. Brown DATE 10th April 2001
J E Brown
Research Technologist
Environmental Test Group

APPROVED BY C. P. Stone DATE 10th April 2001
C P Stone
Group Head
Environmental Test Group

ART QA M. F. Heffernan DATE OF ISSUE 10/04/01
M F Heffernan
Quality Assurance Manager

BS EN ISO 9001:1994 EN ISO 9001:1994 ISO 9001:1994
LRQA Approval Certificate No: 922092

