

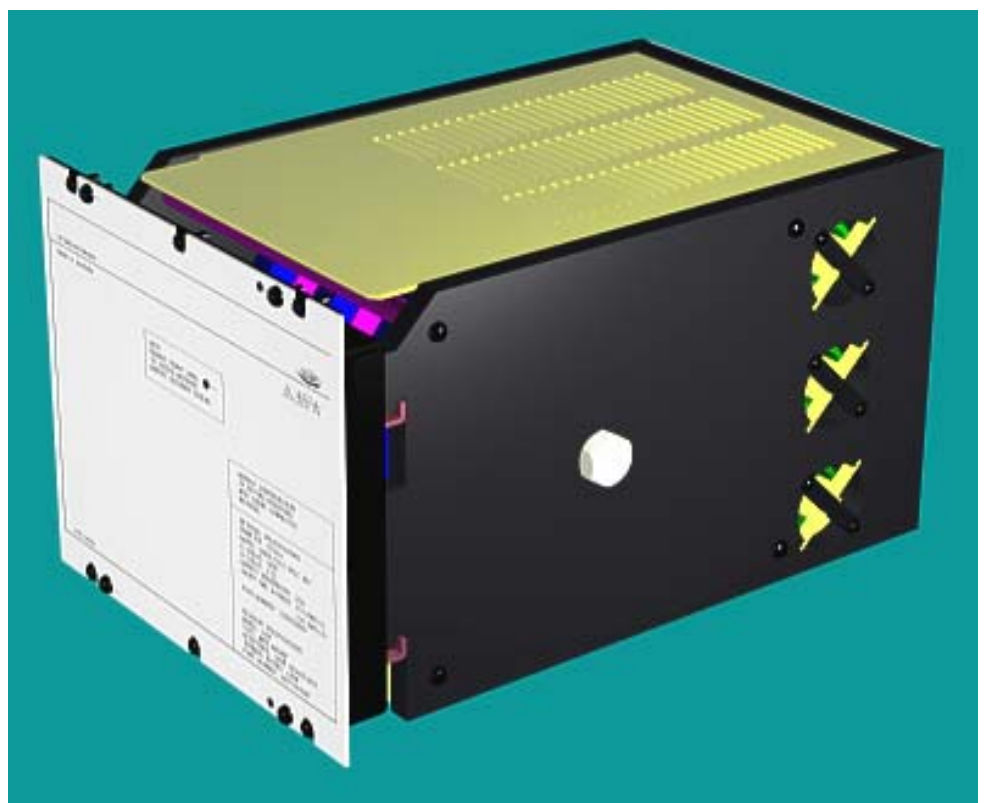



2V75K13 Test Manual

Three Phase Metrosil Module

relay monitoring systems pty ltd

Advanced Protection Devices



 User Guide

 Test Manual

2V75K13 Test Manual

Links to Other Documents

User Guide: http://www.rmspl.com.au/userguide/2V75_user_guide.pdf

Test Certification

This is to certify that the equipment detailed below has been manufactured, inspected & tested in accordance with a Quality System which complies with the requirements of AS/NZS ISO9001-2000.

| Order Number | Serial Number |
|--------------|---------------|
| | |

Only valid when the "Passed" box has been signed off by Production Personnel.

Version Control

| Issue | Date | Summary of changes |
|-------|------------|-----------------------|
| A | 21/06/2005 | Initial issue. |
| B | 19/06/2006 | Typecard code was ABB |
| | | |
| | | |
| | | |

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| Author | Checked & Registered | .pdf file created | Released |
|--------|----------------------|-------------------|----------|
| DG | ARF | DG | |



1.0 HARDWARE SPECIFICATIONS – 2V075K13 [A][B][B][B][B]

| | | |
|--|-----|---------------------|
| 1.1 Metrosil Size | [A] | 152mm (6") Diameter |
| 1.2 Series Stabilizing Resistors | [B] | Required – 500 Ohms |
| 1.3 Mounting Hardware | [B] | Surface mount |
| 1.4 Resistor Power Rating | [B] | 100W |
| 1.5 Phases | [B] | 3 Phase |
| 1.6 Non-Standard Features Hardware specifications not described in Data Sheet. | | None |



2.0 TEST PROCEDURE

2.1 Test Equipment Required
 High Voltage Test Equipment.
 Authorised assembly documents

2.2 Associated Drawings
 165-075-113 Wiring Diagram
 165-075-500 Assembly diagram

2.3 High Voltage Testing

- a) Apply 2KV RMS between the terminal groups as listed in A & B below for 1 minute.
- b) Apply three 5KV 1/50usec pulses of each polarity as listed in A & B below.

| GROUP A | GROUP B |
|------------------------|---------|
| All numbered terminals | Frame |

2.4 Hardware Verification
 Verify hardware as to 165-075-500

- a) Ensure high temp Si wire is used on cct wiring. VERIFY
- b) Ensure rear door opens freely. VERIFY
- c) Ensure components are marked as per wiring diagram. VERIFY
- d) Check loom is correctly routed and wired. VERIFY
- e) Ensure resistor mounts are properly torqued. VERIFY
- f) Check customer access to resistor adjustment. VERIFY
- g) Check resistor values. Set resistance to max value. VERIFY
- h) Ensure Metrosil mounts are properly torqued. VERIFY
- i) Ensure all ancillary components are with product. VERIFY

| PASSED BY | DATE |
|-----------|------|
| | |

3.0 CONNECTION DIAGRAM

