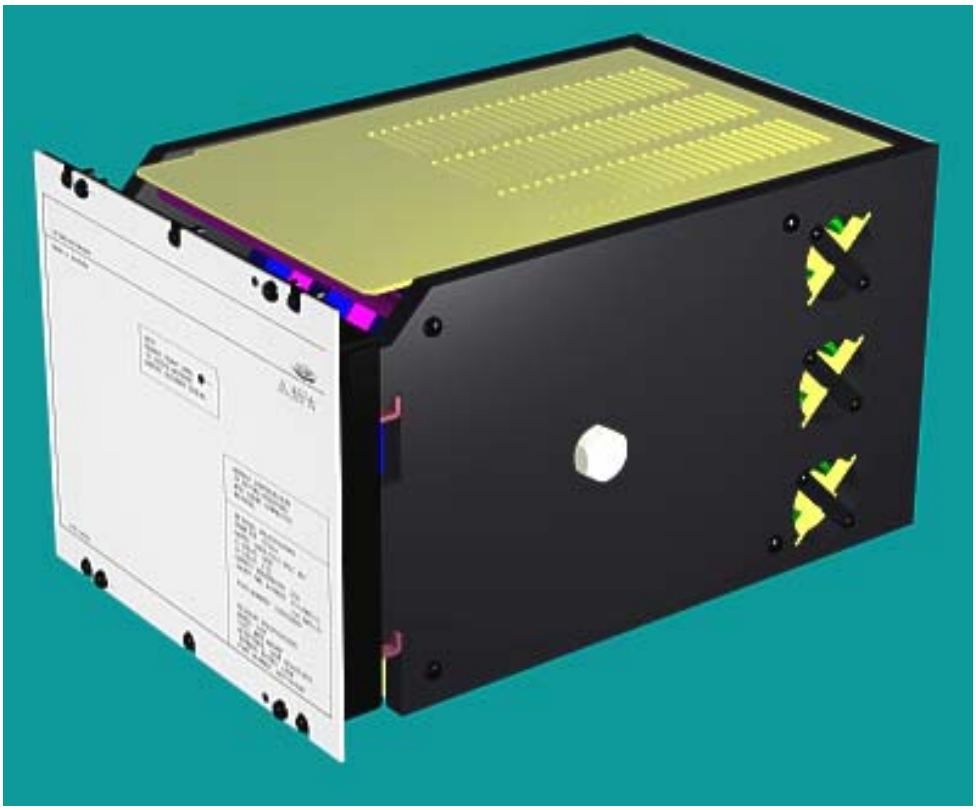
2V75K15 Test Manual

Single Phase Metrosil Module

relay monitoring systems pty ltd

Advanced Protection Devices



User Guide

Test Manual

2V75K15 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	12/09/2005	Initial issue.

Author	Checked & Registered	.pdf file created	Released
DG	DHW	DG	Digitally signed by David Greenwood Reason: Document is released Date: 2005.09.12 13:35:54 +10'00'

1.0 HARDWARE SPECIFICATIONS – 2V075K15 [A][S100][A][B][A]

1.1 Metrolsil Size

[A] 152mm (6”) Diameter

1.2 Series Stabilizing Resistors

[S100] Required – 100R

1.3 Mounting Hardware

[A] 19” Rack or Panel mount

1.4 Resistor Power Rating

[B] 100W

1.5 Phases

[A] Single 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

165-075-115	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

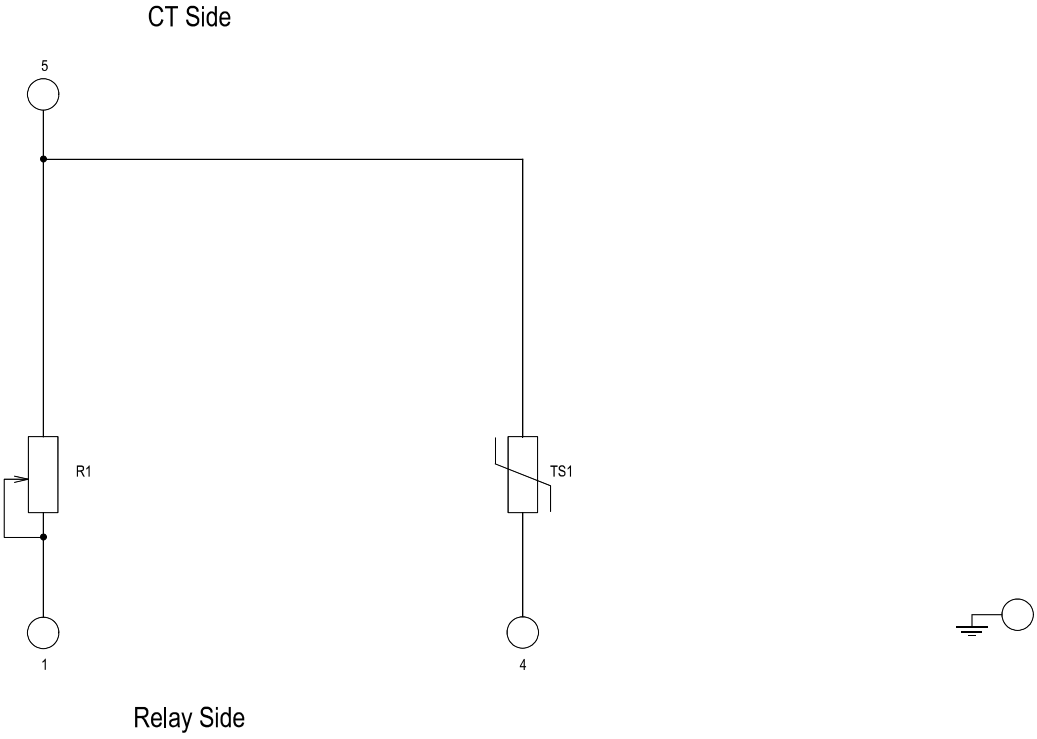
2.4 Hardware Verification

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



2V75K15 wiring diagram