



RMS Capability Statement

Resource Summary

- > Printed circuit board loading
- > Wave soldering system
- > Transformer and coil winding
- > Sheet metal fabrication
- > Precision press shop
- > CNC engraving
- > CNC machining
- > Auxiliary relay assembly
- > Protection relay assembly
- > Test & calibration facility
- > High voltage testing to 15KV
- > Noise immunity testing
- > Environmental test chamber
- > Shock, bump and vibration testing
- > CAD & CAM design studio

Protection Relays

The capital cost of transmission lines, substation plant & rotating machinery constitutes the overwhelming portion of power system construction costs. Protection Relays on the other hand typically account for less than 3% of this total. Correctly applied protection relays provide a cost effective insurance against risk of injury and major damage or destruction of expensive plant when faults occur.

A similar situation exists for industrial electrical installations wherever expensive plant and equipment is maintained. It is therefore critical that protection relays & monitoring systems are selected & applied which are capable of the duty required.

Due to the critical nature of the function performed by protection relays, the selection of equipment with the appropriate reliability & performance commensurate with the system needs is a demanding task.

The experience & capabilities of the manufacturer of protection relays as well as the field service reputation of the equipment under consideration, is therefore, of prime importance.



Description

Relay Monitoring Systems Pty Ltd (RMS) design, manufacture and market a wide range of electrical engineering products and services. Major product types include:

- > Arc flash detection relays
- > Transformer control relays
- > Numeric protection relays
- > Electro-mechanical protection relays
- > High speed tripping relays
- > Auxiliary flag relays
- > Supervision relays
- > Test blocks & plugs
- > Electronic monitoring relays
- > On board railway relays & controls
- > Custom system integration & engineering
- > Industrial controls & pilot lamps

The company's depth of local manufacturing and engineering expertise is backed up by many years of experience since the formation of its predecessor, Relays Pty Ltd (RPL), in 1955. This experience combined with a broad base of field proven product types enables RMS to service specific customer needs by producing relay **SPECIALS** on demand and with typically short lead times when compared to imported equipment.

RMS staff are focused and committed to the company's core business activity of:

Design, manufacture, supply & servicing of specialized electrical protection equipment on time & free from defects.

This is demonstrated through the caliber of technical sales support and quality of product built to each specific customer requirement.

Manufacturing Facilities

RMS is a **100%** owned Australian manufacturing enterprise, which has achieved third party accreditation to the quality system standard for production and installation in accordance with AS/NZS ISO9001. RMS operates a modern manufacturing facility at its corporate head quarters in the Melbourne suburb of Mulgrave. In addition to administration, sales and engineering activities, this facility includes tool room, press shop, coil winding, relay assembly, printed circuit board loading, protection relay assembly, high voltage isolation & standards compliance testing, calibration laboratory & environmental burn-in facility.

The operation of this extensive facility means that RMS has direct control over all major manufacturing processes thus providing significant benefits in terms of:

- > Competitive pricing
- > Short supply lead times
- > Product quality & flexibility
- > Customer service & product back-up

Compliance Laboratory

RMS maintains an extensively equipped type testing laboratory allowing on site verification of products to a range of IEC standards relating to utility grade measuring relays and high voltage protection equipment:

| | |
|-----------------|---|
| IEC 60255-1: | Common requirements |
| IEC 60255-5: | Insulation coordination for measuring relays |
| IEC 60255-11: | Voltage dips |
| IEC 60255-21-1: | Vibration tests (sinusoidal) |
| IEC 60255-21-2: | Shock and bump tests |
| IEC 60255-21-3: | Seismic tests" |
| IEC 60255-22-1: | 1 MHz burst immunity tests |
| IEC 60255-22-2: | Electrostatic discharge tests |
| IEC 60255-22-3: | Radiated RFI |
| IEC 60255-22-4: | Fast Transient |
| IEC 60255-22-5: | Electrical disturbance tests – Surge immunity |
| IEC 60255-22-6: | Conducted RFI tests |
| IEC 60255-27: | Product safety requirements |
| IEC 61810-1: | Electromechanical elementary relays - 1 & 2 |
| IEC 60068-2-1: | Environmental testing - Test Cold |
| IEC 60068-2-2: | Environmental testing - Dry heat |
| IEC 60068-2-78: | Environmental testing – Damp heat |
| EATS48-4: | DC relays associated with a tripping function |
| EATS48-5: | Environmental test requirements |
| AS 60529: | Degrees of protection provided by enclosures |



www.rmspl.com.au



Relay Monitoring Systems Pty Ltd design, manufacture and market a wide range of electrical protection and control products for application on high voltage power systems. The company's depth of manufacturing and engineering expertise is backed up by many years of experience since the formation of its predecessor, Relays Pty Ltd (RPL), in 1955. This experience combined with a broad base of field proven product types enables RMS to service specific customer needs by producing relays on demand and with typically short lead times.

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ISO9001 Quality Accreditation

RMS holds NCSI (NCS International Pty Limited) registration number 6869 for the certification of a quality system to AS/NZS ISO9001:2008.

Due to RMS continuous product improvement policy the information contained in this document is subject to change without prior notice.

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